R. 836. Sel.

ΜΙΚΡΟΚΟΣΜΟΣ.

A DESCRIPTION OF THE *Little-World.*

Being a discovery of the Body of Man, exactly delineating all the Members, Bones, Veins, Sinews, Arteries, and parts thereof, from the Head to the Foot.

Heerunto is added the maner of reducing, and curing dislocated, and fractured bones.

The Cure of Wounds made with Gun-shot, and Gun powder, and Splinters.

Select Receipts for all manner of Diseases.

The sicknesses attributed to the twelve Signes, and Planets, with their Natures.

The Judgement of Urine, and of Bathings.

By *ROBERT TURNER*, φιλομαθὴς.

Et venenatis feris atq; serpentibus, salutares Medicinas confecimus.

London, Printed for JOHN HARRISON, and are to be sold at the Holy-Lamb, at the East end of Pauls, 1654.

MVSEVM
BRITAN
NICVM

TO THE

NOBLE, VERTUOUS, AND RELIGIOUS LADY,

THE LADY

THOROWGOOD,

VVife to the Right VVorthipfull Sir *John Thorowgood* of *Kenſington*, Knight.

Honoured Madam:

BE pleaſed to pardon my boldneſſe in this, and command me in what liberal Service you pleaſe. After many yeares ſpecu-

culations, and perusall of many Maps hereof, I present Your Ladiship with an Epitome, or Compendious Discourse of the *Little world, MAN*; not that I presume to informe you in any thing you know not; I am too sensible of my owne defects to conceive such an impossibility; my owne experiences of your Ladiships Judgement herein, testifies the contrary; but the many Ingagements and Obligations, whereby I am bound to your Ladiship for your manifold and extraordinary favours and curtesies exhibited towards me, both in sicknesse and in health, (having no other means to give any recompence for them) imboldens me to present this small paper to your Ladiship, which I earnestly intreat you to accept into your most worthy Patronage, that I may thereby be securely armed against the envious Criticks, and encouraged hereafter, if God enable me to preferre some more excellent Worke to your protection; beyond

 which

which I have no ambition, but to expresse my true and sincere service to your Ladiship, and the right Worshipfull, your Husband, whom I beseech the Almighty to accumulate with all blessings and happinesse, present and future, taking the boldnesse to subscribe my selfe,

Your humble Servant,

London 29. Octob. 1658.

ROBERT TURNER.

which I have no ambition, but to express my true and sincere service to your Ladiship, and the right Worshipfull, your Husband, whom I beseech the Almighty to accumulate with all blessings and happinesse, present and future, taking the boldnesse to subscribe my selfe,

Your humble Servant,

London 29 Octob.
16[illegible]

ROBERT TURNER.

To the Christian Reader.

Courteous Reader:

IT being the nature of all men to desire and seeke after knowledge, I have therefore given thee a breife character, or epitome of the body of man, the little world; whereby thou mayst attaine to the most necessary externall knowledge of thyselfe; which being knowne, if any casuallty happen, thou maist the more properly apply a remedy, for which there are many excellent and approved medicines, heere in this ensuing Treatise set downe: and likewise the nature and cure of wounds, made by Gunpowder, and Gunshot; but if any one more curious, in censuring what is done for a common good, rather then studious to promote it,

it, should grumble at me for this my paines, I might answer him in his owne kind by way of question, as, Menedemus *answered* Chremes *finding fault with him,* Tantum ne abs re tua est otii tibi, aliena ut cures, eaque nihil quæ ad te attinent? *hast thou so much leasure as to meddle with that which so little concerns thee? yet to satisfie thee* [*gentle Reader*] *who intendest* [*I know*] *to gather hony with the Bee out of this Garden, and not poyson with the Spider; I have implored the aid of* Apollo *and* Hypocrates, *to compose thee some* Hypnoticon *or* Diacodion; *not a medicine for one disease alone; but fitting some receipt or other for all Ages, and all capacities to apply them; and for all Complexions and Conditions, parts, and places, a medicine Preservative, Curative, and Restorative; heere are Antidotes or dictamum against the Plague and pestilentiall Ayres; many of the receipts I have not Englished, but leaving them in their proper names which cannot be very well taken from them, neither was I willing to deprive them of it, knowing that at any Apothecaries you may readily bee*

furnished

furnished with them; others of more easie composition and most obvious to the vulgar use, I have written in words at large, they being for the most part, compounded of common English words, wherewith almost every one can speedily furnish themselves. Take therfore in good part [Reader] the fruits of this labour, and as Robera parentum liberi referunt, *as the growth of the child argues the strength of the parent, so when I shall attaine to riper age, this first borne may have a second generation; books have an immortality above their Authors, for when they grow of full age, they can be againe retaken into the wombe that bred them and receive with a new life, a greater portion of youth and glory which is to them another being, and that always may and often doth, bring with them an addition of strength, and lovelinesse, ushering them to a more vigorous perfection.*

Thus have I laid before thee a little map of thy selfe or a description of the microcosmos or little world, Man, equally endeavoring thy content and profit, Quoniam variant animi variabimus

variabimus

riabamus artes, mille mali species, mille salutis erunt: *A modest censure hereof I gladly would entertaine; as I am not ambitious of applause, so not affraid of censure; give me leave to flatter my paines in these words,* Hic interim liber, aut laudatus erit, aut saltem excusatus;

All I desire is but encourragment to some other worke, if any thing herein shall redound to thy profit; let me petition thee to give God the Glory who hath enabled mee to performe it, which are the hearty wishes of

Thy assured freind,

London, 29. Octob. 1653.

Ro: Turner.

Authours used in this Booke.

Aristotle.
Avicenna.
Ipocras.
Pliny.
Haly.
Galen.
Guido.
Turner.
Hypocrates.
Dioscorides.

Authours used in this Booke.

Aristotle.	Galen.
Avicenna.	Guido.
Ipocras.	Turner.
Pliny.	Hypocrates.
Paly.	Dioscorides.

Characters for brevity used herein.

℔.	a pound.
℥.	an ounce.
ʒ.	a drachm.
gr.	a graine.
℈.	a ſcruple.
Q. ſ.	quantity ſufficient.
M.	a handfull.
ß.	halfe.
ana.	each.

ΜΙΚΡΟΚΟΣΜΟΣ.

A Description of the little world.

CHAP. I.

Shewing the Definition of Chyrurgery, the qualifications of a Chyrurgion, and Anatomy of the simple Members.

Hyrurgery is derived, Ἀπὸ τῆς χειρὸς, which is as much as to say a hand working; so that Chyrurgery is a working of the hand in the body of man, by cutting or opening those parts that be whole in healing those parts that be broken or cut, and in taking away that which is superfluous, as Warts, Wens, Sturfula's, and the like: To the cure of every disease belongeth four things; the first and principall is God, the second the Chyrurgion, the third the Medicine, and fourth the Patient: Therefore the Chyrurgion ought to be Religious, Inge-

nious, Learned, and Expert, both in Theorick and in Practick; he must be skilfull in the Anatomy, else he will be like a blind man to carve an Image; he must be secret and private, as a Confessour to his Patient, not discouraging any, nor setting a certain day of his recovery, as Mountebanks doe, for that is not in their power, *oportet seipsum non solum*, neither let them backbite others nor vaunt and praise themselves, that will redound more to their shame then credit, for their own workes will get credit enough.

Of the simple members there be 11. and 2. superfluities, *viz.* Bones, Cartilages, Nerves, Pannicles, Ligaments, Cords, Arteries, Veynes, fatnesse, flesh, and skin; the superfluities be haires and nailes; the bones be the foundation and hardest member of the body; it is a *consimile* member, simple and spermatick, cold and dry of complexion, insensible and inflexible, and hath divers formes in mans body, for the severall operations thereof, and diversity of helpings; the gristle is a member simple and spermatick, next in hardnesse to the bone, and is of complexion cold and dry, and insensible.

The ligament is a member consimple, simple, and spermatick, next in hardnesse to the gristle, and of complexion cold and dry, flexible and sensible, and binds the bones together.

The sinew is a *consimile* member, simple and spermatick,

spermatick, mean between hard and soft, strong and tough, having his beginning from the braine, or from *minuca*, which is the marrow of the back, and from the braine cometh seven paire of Nerves sentative, and from *minuca* cometh seven pair of Nerves motive, and one that is by himselfe that springeth from the last spondell.

A Cord or Tendon is an offici ill member compounds and spermatick, sinowy, strong, and tough, meanly between hardnesse and softnesse, and sensible and flexible, cold and dry.

An Arterie is a member simple and spermatick, hollow and sinowy, having his beginning from the heart, and bringeth from the heart to every member, spirit, and life, it is of complexion cold and dry; and all these Arteries have two coates, except one that goeth to the lungs, and he hath but one coat, that spreadeth abroad in the lungs, and bringeth to the lungs bloud and spirit of life, and sendeth from thence ayre to temper the famous heat that is in the heart: A veyne is a simple member, in complexion cold and dry, and spermatick like to the Arterie, having his beginning from the liver, nutritive bloud to nourish every member of the body with; and the Arterie is a vessell of bloud spirituall or vitall, and a veyne a vessell of bloud nutrimentall; the flesh is a simple member not spermatick, ingendred of bloud, in complexion hot and moist: There is three kindes

of flesh, the one soft and pure, the second *musculus*, hard or brawny, the third is *granulus*, knotty or kurnelly: Next is fatnesse, whereof likewise is three kindes, *pinguedo*, which is made of a subtill portion of bloud, congealed by cold; it is cold and moist, insensible and intermedled amongst the parts of the flesh; the second is *adeppes*, of the same kind as the other, but is parted from the flesh besides the skin, and is as an oyle healing the skin, and moistning it; the third is *anxingia*, parted from the flesh about the kidneys and entrails.

The skin is a member officiall, partly spermatick, strong and tough, flexible and sensible, thin and temperate, one covereth the outward members, and the other the inward, which is called a pannicle.

The haires are superfluities made of the grosse fume or smoake passing out of the viscous matter, and thickned to the form of hair.

The nailes likewise are superfluous humours, engendred of earthly fume, waxing through the naturall heat of humours to the extremity of the fingers and toes, in complexion cold and dry, and is softer then the bone and harder then the flesh, &c.

CHAP. II.

CHAP. II.

Of the compound members: 1. Of the head.

THe head is the habitation or dwelling place of the reasonable soule of man, as, *homini sublime dedit*; it is raised up by God as a watch tower over all the body; it is composed of hair, skin, flesh, veines, Pannicles, and bones; the hair defendeth the braine from too much heat, and too much cold, it beautifieth and adorneth the head and face, and by it the fumosity of the braine are purged; the skin of the head is more *lazartus* and thicker then any other of the body, defendeth the braine, and keepeth it warme, and bindeth and keepeth the bones of the head fast together; the flesh is *musculus* or *lazartus* lying upon *pericranium* without means.

Next followeth *pericranium*, or the covering of the bones of the head, between the flesh, and which passeth a veine and an arteir, that nourisheth the utter part of the head, passeth through the skull and nourisheth the pannicles of the braine, and hereof is made *dura mater*, which is nearer the braine then *pericranium*, and under the skull.

Next is the bone or pot of the head, whereof there be seven in number in the pan or skull; the first is the Coronall Bone, in which is the holes of

the eyes, and reacheth from the browes to the midſt of the head, where it meeteth with a ſecond bone of the hinder part of the head called the noddell of the head, which two bones be divided by the comiſſaries in the midſt of the head; the third and fourth bones be called *Parietales*, and they be divided by the comiſſaries from the two former; the fifth and ſixth be called *Petroſa* or *mendoſa*, on each ſide of the head one, wherein are the holes of the eares; the ſeventh and laſt is called Paxillary or Bazillary, which bone as a wedge doth faſten the reſt together. Theſe are the parts of the head containing, next followeth the parts contained: The firſt is *dura mater*, then *pia mater*, then the ſubſtance of the brain, *vermi formes & rete mirabile*; the Pannicle *dura mater* is made of the vein & arterie ſpoken of before, which paſſeth through the ſeames of the head, which *dura mater* is ſeperated from the bone of the skull, the better to defend the *pia mater*; the next is the pannicle called *pia mater*, which is tender and ſoft over the brain, and in it are contained a great number of veines and arteries, giving unto the brain both ſpirit and life, from the heart and from the liver nutriment; this pannicle circumvolveth all the ſubſtance, and there the ſpirit is made animall; theſe pannicles be cold and dry, ſpermatick; next unto this pannicle is the brain it ſelfe, which is divided into three ventricles, the formoſt which is moſt, the middle-

middlemoſt leſſe, and the hindmoſt which is leaſt, and from each to other be iſſues and paſſages conveying ſpirit of life; and every ventricle is divided into two parts: in the formoſt ventricle God hath placed the common ſenſes, in the one part thereof is contained the fanſie, in the other part the imaginative vertue, which receiveth the forme of ſenſible things, repreſenting them to the memory: in the middle cell or ventrickle there is placed the contemplative or cogitative virtue; and in the third or laſt the virtue memorative, out of whoſe lower parts ſpringeth *Myrica*, or marrow of the Spondels: Further, from the formoſt ventrickle there ſprings ſeven paire of ſinewes, produced to the eyes, ears, the noſe, the tongue, and the ſtomack, and to divers other parts of the body: About the middle ventrickle is the place of *vermis formis*, with curnelly fleſh that filleth, and *rete mirabile*, that wonderfull net or caule under the pannicles of ſmall arteries only comming from the heart, and there the ſpirit of feeling hath his firſt creation, and from thence paſſeth to other members; the brain is a member cold and moiſt, thin and meanly viſcous and ſpermatick, continually moving and ruling all other members of the body, giving them feeling and moving: And Ariſtotle ſaith, that it followeth the courſe of the Moon; in the waxing of the Moon it followeth upwards, and in the wane of the Moon it diſcends downwards,

wards, and is lesse in substance of vertue, and is not so obedient to the spirit of feeling, as it appears in lunaticks, and such as have the falling sicknesse, who are most grieved in the beginning of the new Moon, and in the wane of the Moon; therefore if the brain be either too dry or too moist, it cannot worke its kind, whereby the spirits of life melt and resolve away, and then followeth sicknesse and feeblenesse of the wits and other members, and in the end death, and thus much of the head.

CHAP. III.

Of the face.

THe first part of the face is the forehead, which containeth skin and *musculus* flesh, the pannicle under it is of *periranium*, and the bone Coronall which passeth from one eare to another with a muscle, which keepeth up the eye-brows, which are called *supercilium*, and under them is the eye lid, is called *cilium*, which defend the eyes from annoyances, and are set and adorned with haires, the eares are gristly, the organ or instrument of hearing cold and dry, the sinewes whereof spring from the brain, and through them is received the sound, and conveyed to the common wits. The eyes be next of nature unto the soule, wherein is seen the passions of the soule, as joy, gladnesse, love, wrathfulnesse. They are the instruments of sight, compounded of seven tunicles or

roles, and three humours, and these sinewes be hollow as a reed, that thereby the visible things might passe to the sight; now these sinews go out from the substance of the brain, passing through *pia mater*, where he taketh a pannickle, and these are called *nervi optici*, and are joyned in one before they come into the eye, that if any disease happen in one eye the other should receive the visible spirit, and that one sinew might stay and help the other: Now the three humours are placed in the middle of the eyes, the first is the vitriall humour like glasse, liquid and thin, and is innermost next to the brain, and he compasseth the christalline humour, untill he meeteth the humour *Albuginus*, which is set in the uppermost part of the eye, and in the midst of these humours is placed the christaline humour, in which is the principall sight of the eye; and these humours be involved with the pannicles, between every humour a pannicle, and thus is the eye made: the next unspoken of in order is the nose; from the braine cometh two sinews to the holes of the brain pan, where doth begin the concavity of the nose, and these two be the organs or instruments of smelling, they have heads like teats or paps, and receive the smelling conveying it to the common senses; over these two is *colatorium*, the nosthrils between the eyes, and through them, passeth the spirit of smelling unto the instrument of smelling, and by them

them the superfluities of the brain are cleanſed, and from his concavity there passeth two holes down into the mouth, whereby ayre passeth too and fro into the lungs, and when these are stopped then one is sayd to speak in his nose; it is made of skin and *lazarus* flesh, and of two bones standing triangle wise, joyned to the coronall bone, and it hath two gristles that hold up the nose, and two muskles to help the working of his office: The cheekes are the sideling parts of the face, and they containe in them *musculous* flesh with veines and arteries; about these parts be many muskles, *Guido* saith seven about the cheekes and upper lip, and *Haly Abbas*, that there be twelve that move the nether jaw in opening and shutting, that passe under the bones of the temples, they are called temporals, and they be sensitive, and whose hurt is dangerous: Then there be also other muskles for to grinde and to chew, and to all these muskles cometh nerves from the brain, and there cometh unto them many arteries and veins, and chiefly about the temples, the angles or corners of the eyes and the lips; in the cheeks is the chiefe beauty, thereby the complexion is most known, and (as *Avicen* saith) they shew also the affections and passions of the heart, waxing pale or red at the suddain joy or dread of the heart: of the face be two bones, two of the nose outwardly, two of the upper mandible, one of the nether, three of the

nose

nose within, in all ten. The parts of the mouth are five, the lips, the teeth, the tongue, the *uvula*, and pallat of the mouth; and first the lips are members official of *musculous* flesh, serving to the mouth as doores to an house, and helping the pronounciation of the speech; the teeth are likewise officiall, the hardest of all members, and are fastned to the cheek bones, serving to chew the meat and helping the pronountiation of the speech: They that have the whole number have two and thirty; the tongue is a *carnous* member, compound, of many nerves, ligaments, veines and arteries, receiveth the tast, and pronounceth every speech, the flesh of the tongue is white, and hath in him nine muskles, the root of him is *glandulous*, wherein are two wels containing spettle to temper and keep moist the tongue; the *uvula* is of spongeous flesh, hanging down from the end of the pallate over the gutter of the throat, and is cold and dry, and oftentimes when there falleth rawnesse or much moistnesse into it from the head, then it hangeth down into the throat, and letteth a man to swallow; it helpeth the sound of the speech, the prolation of vomits, and tempereth the ayre that passeth to the lungs, and guideth the superfluities of the brain, which come from the colatures of the nose.

The pallate of the mouth is a carnous pannicle, and the bones that be underneath it have two divisions,

visions, one along the pallate, from the division of the nose, and from the opening of the other mandible, under the neither end of the pallate, lacking halfe an inch, and there it divideth overthwart and the first division is of the mandible, and the second is of the bone called Paxillary or Bazillary, that sustains and bindeth all the other bones of the head together; the skin of the pallate of the mouth is of the inner part of the stomack, and of *Myre* and *Isofagus*, that is the way of the meat unto the stomack; also in the mouth is ended the uppermost extremity of the Weasand, which is called *Mire* or *Isofagus*; and with him is contained *Trachia Arteria*, *viz.* the passage of the ayre or breath, whose holes be covered with a lap like unto a tongue, and is gristly, that the meat and drink might slide over him into *Isofagus*, which is reared up when a man speaketh and covereth the way of the meat, and when a man swalloweth, then it covereth the way of the ayre, so that when one is open the other is covered; and thus much shall suffice for the Anatomy of the head and face, which is under the celestiall signe *Aries*.

CHAP.

CHAP. IV.

Of the Neck.

THe neck followeth next to be ſpoken of, which is contained between the head and the ſhoulders, and between the chin and the breaſt; in the neck be ſeven ſpondels, the firſt joyned unto the lower part of the head, and every ſpondell in like manner, the laſt of the ſeven is joyned unto the ridge of the back, and the ligaments that keep theſe ſpondels together are not ſo hard and tough as the ligaments of the back, but more feeble and ſubtle, becauſe of the often moving of the neck; out of theſe ſeven ſpondels there ſpring ſeven pair of ſinews, which be divided into the head, the ſhoulders and the armes: The muskles of the neck (as *Galen* ſaith) are twenty, moving the head and the neck; the third part of the neck is called *guttur*, which is the ſtanding out of the throat bell, the fourth part *gula*, and the hinder part *cervix* ſo called, becauſe of the marrow that commeth to the ridge bones, and it is (as it were) a ſervant to the brain, and receiveth of the brain the virtue of moving, and ſendeth it by ſinews to all the members of the body: Here alſo obſerve, that the way through which the meat paſſeth, or *Iſofagus* ſtretcheth from the mouth to the ſtomack, and is

faſt-

faſtned to the ſpondels of the neck untill he come to the firſt ſpondell, and extendeth forward to the breaſt, and endeth at the mouth of the ſtomack; this weſand is compound, conſiſting of two tunicles or coats, the inner and the outer; the outer tunicle is ſimple, the inner is compound of *muſculous* longitudinall will, whereby he draweth the meat into the ſtomack; alſo it is to be underſtood that the great veins which paſſe by the ſides of the neck, to the upper part of the head, are called *vena organica*, of which the inciſion is dangerous; thus yourſee the neck is compoſed of skinny fleſh, ligaments, and bones, and is under the dominion of the ſign *Taurus*.

CHAP. V.

Of the Armes and Shoulders.

IN the ſhoulder there be two bones, the ſhoulder bone and the cannell bone, the firſt is *os ſpatula*, or blade bone of the ſhoulder, whoſe hinder part declineth toward the chin, and in that end it is broad and thin, and in the upper part it is round; wherein in a concavity, called the box or coope of the ſhoulder, and which entereth the adjutor bones of the armes, and they are bound together with ſtrong flexible ſinews, and are contained faſt

with

with *clauicula*, or the cannell bone, which bone extendeth to both the shoulders, one end to one shoulder, and another to the other, and there they make the composition of the shoulders; the bones of the armes from the shoulder to the fingers ends be thirty; the first is the adjutor bone of the arm, the upper end whereof entereth into the box of the shoulder bone, it is hollow and full of marrow, and extendeth to the elbow, where it hath two knobs in the juncture of the elbow, entering into a concavity proportioned, in the uppermost ends of the two fofell bones, the lesse whereof goeth from the elbow to the thumb, by the upper part of the arme, and the greater neathermost from the elbow to the little finger; and these bones be joyned and bound together with the adjutor bone with strong ligaments, and likewise with the bones of the hand; the bones of the hand are eight, four uppermost and four neathermost, and in the palme of the hand five called *ossa patinis*, unto them are joyned the bones of the fingers and thumbes, in every finger three bones, and in the thumbe two; so that there is in the fingers and thumbe of every hand fourteen bones called *ossa digitorum*, in the palme of the hand five called *patinis*, and between the hand and the wrist eight, and from the wrist to the shoulder three bones, which in the whole numbred together are thirty, in each hand and arme, likewise there cometh from

Muscles

Minuca, and the ſpondels of the neck four ſinews, one cometh along the upper part of the arm, another paſſeth under the arme, one in the inner ſide, and another in the outer ſide of the arme, which bring unto the armes feeling and moving from the brain and *minuca*; now to ſpeak of the veins and arteries of the arme, from *venakeln* ſpringeth two branches, one runneth to one arme pit, the other to another; and there the branch is divided into two parts, or other branches, one goeth along the inner ſide of the arme, untill it commeth to the bought of the arme, and there it is called *Bazilica* or *Epatica*, and then goeth down the arme, till it come to the writt, where it turneth to the back of the hand, and goeth between the little finger and the next, and there is called *ſalvatella*; the other branch in the arme hole ſpreadeth to the utter ſide of the ſhoulder, where he divideth in two, the one goeth up ſpreading in the carnous part of the head and paſſeth through the bone into the veine; the other branch runneth along the outward ſide of the arme, and there is divided into two alſo, the one part endeth at the hand, the other part folderh about the arme, and in the bouget of the arme is called *Sephalica*, from thence it goeth to the back of the hand, appeareth between the thumbe and the forefinger, and is there called *Sephalica accuſaria*; there are in the arme five principall veines, from each of the two branches that I ſpeak of,

which

which bee divided in the hinder part of the shoulders, springeth one vein, and those two meet together in the bought of the arme, and there is called *Mediana*, or *Cordialis*, or *Commune*, and of *vena Sephalica* springeth *vena oculorii*, and of *vena Basilica* ariseth *vena Salvatella*, and of the two veins that meet there springeth *vena mediana*; and from these five principall veins there spring innumerable other small veins, but of them the Chyrurgion hath not so great charge; further you shall understand, that wheresoever there is found a vein, there is an Artery under him, if it be a great vein, there is a great Artery; and contrariwise, a little vein a little Artery, for wheresoever there goeth a vein to carry nutrimentall bloud, there also goeth an Artery, conveying the spirit of life. Therefore the Arteries lye deeper in the flesh then the veins do, and carry in them more pure and precious bloud, therefore he is further from outward danger then the veine, and is covered with two coats, the vein only with one: and thus much for the arms and shoulders, which are governed by the signe *Gemini*.

CHAP. VI.

Of the Breast, Heart, and Back.

THe Breast or *Thorax* is the Ark or Chest of the spirituall members, where there are four parts

containing, and eight contained; the foure containing are the skin, musculous flesh, the paps, and bones; the parts contained are, the Heart, the Lungs, Panicles, Ligaments, Nervs, Veins, Arteries, Myre, or *Isophagus*. Of the skin and the flesh its spoken of before, but you must observe that the flesh of the paps differeth from the other flesh of the body, for it is white, glandulus, and spongeous; and there is in them both Nerves, Veins, and Arteries, & by them they have Coligaves with the heart, the liver, and brain, and the generative members. Also there is in the breast 80 or 90 Muskles, some of them common to the neck, some to the shoulders, some to the Midriffe; some to the Ribs, some to the Back, and some to the Breast it selfe; and in man the paps defend the spirituals from outward annoyance; and by their thicknesse they comfort the naturall heat; and in women there is the generation of milk, which commeth from the matrix to their breasts through many veins, that bring into them menstrual bloud, which is turned (by the digestive virtue) from red into white, like the colour of the paps, even as the stones turn the bloud into sperme of the same nature and colour of themselves so is the chile comming from the stomack to the Liver turned into the colour of the Liver: Now the bones of the breast are said to be triple or threefold, and they be numbred, seven in the breast before, and their

length

length is according to the breadth of the breast, and their ends be gristly, as the ribs be, and at the upper end of *Thorax*, is a hole or Concavity in which is set the foot of the Cannell bone, and at the lower end of *Thorax* against the mouth of the stomach, is a gristle called *Ensiforme*, which defendeth the stomach from outward hurt; and giveth place to it in time of fulnesse when need requireth. Now to speak of the parts of the back behind, there are twelve spondels, through whom passeth *spina*, of whom springeth 12 paire of Nerves, which bring feeling and moving to the muskles of the breast, and in each side there be twelve Ribs, seven true, and five false, which five are shorter then the other seven; and therefore called false Ribs. Of the parts that be inward, the heart is the principal, first, and beginner of life, he is the *primum vivens, & ultimum moriens*, and he is seated severally by himselfe, in the midst of the breast as Lord and King over all the members, and all the members receive their bloud of life from the heart; the substance of the heart is as it were Lazarus flesh, an officiall member spermatick, sending forth to every Member spirit of breath and heat, by his moving and stirring. The heart hath the shape and forme of a Pine-apple, the broad end thereof is upwards, and the sharp end downwards, depending a little towards the left side. Also the heart hath bloud in his substance, where all other members have it but

in their veins and Arteries; and the heart is bound with certaine Ligaments to the backe part of the breast, but they touch not the substance of the heart, but in the over part they spring out of him, and is fastned as aforesaid; further the heart hath two ventricles, or concavities, and the left is higher then the right, and in this hollownesse he keepeth the bloud for his nourishing, and the ayre to abate and temper the great heat he is in; likewise here observe, that to the right ventricle of the heart commeth a vein from *venakelis* that receiveth all the substance of bloud from the Liver to nourish the heart with, and the residue of it is made subtill through the vertue of the heart and then it passeth through the Concavity of the heart, and there is made hot and pure, and then it passeth into the left ventricle, and there is ingendred in it a spirit, that is cleare, bright, and subtile, and a meane between the body and the soule; further it is to be noted, that from the left ventrickle of the heart springeth two Arteries, the one having but one Coat, and is called *Arteria venalis*, which Artery carrieth bloud from the heart to the Lungs to give them nutriment, and bringeth ayre from the Lungs to the heart to refresh him with. The other Artery hath two Coats and is called *vena Arterialis*, and of him springeth all other Arteries that spread to every member of the body; and the spirit that is retained in them is the Instrument or treasure of

the

the ſoule, and at the braine he receiveth a further digeſtion, and there is made animall, and at the liver nutrimentall, and at the teſticles or ſtones generative, and this Artery is alſo called the pulſative vein, or the beating veine. Alſo there is in the heart three pellicks, opening and cloſing the going in of the heart, bloud, and ſpirit; the heart hath likewiſe two little ears through whom paſſeth the ayre from the Lungs: The heart is alſo covered with a ſtrong pannicle called *Pericordium*, unto which commeth nerves, as unto the other members, and this pannicle ſpringeth of the upper parpannicle of the midriff. And from him ſpringeth another pannicle which parteth the breaſt in the middle, and is called *Mediaſtricum*, and keepeth the Lungs that they fall not over the heart; there is alſo another Pannicle that covereth the Ribs inwardly of whom the midriffe hath his beginning. And thus much of the Breaſt and Heart, which are under the ſignes *Cancer* and *Leo*.

CHAP. VII.

Of the Lungs, Bowels, and Belly.

THe Lungs is a member Spermatick of his firſt Creation, in his naturall complexion cold and dry, and accidentally cold and moyſt, lapped in a

nervous pannicle, that it might gather together the softer substance of the Lungs; In the Lungs is three kinds of substance, one is a veine comming from the Liver, bringing the crude or raw part of the chile to feed the Lungs; another is *arteria venalis* comming from the heart, bringing with him the spirit of life to nourish him with; the third is, *Trachia arteria*, that bringeth in ayre to the Lungs.

The Lungs is also divided into five Lobs, or Pellicles, viz. three on the right side, and two on the left; so that if there fell any hurt to one, the other might supply his Office; so that the Lungs as a paire of Bellows draw cold winde and refresh the heart, change, alter, and purifie the Ayre, and do receive from the heart the superfluities which he putteth forth by his breathing. Behind the Lungs passeth *Ilofagus* of whom is spoken before, and there passeth also veins and Arteries, and all these with *trachia arteria* do make a stoke replear unto the gullet, with Pannicles, strong Ligaments, and *glandulus* flesh to fulfill the voyd places. And last of all is the Midriff; which is an officiall member made of two Pannicles, and Lizartus flesh, and is placed in the midst of the body overthwart under the region of the spirituall members, parting them from the matrix; and it divideth the spirituals from the nutrales, and keepeth the malicious fumes from ascending upwards to annoy the spirituals

tuals or vitall. Next followeth the womb which is the Region of all the intrailes, and reacheth from the midriffe down to the share inwardly, and outwardly from the reines or kidneyes downe to the bone *Pecten*, about the privy parts; and this wound is compound made of two things, viz. of *Syfac* and *Myrac*: *Syfac* is a member spermatick, officiall, sensible, sinnowy, cold and dry, and hath his beginning at the inner Pannicle of the Midriff, and it containeth and bindeth together all the intrails, defendeth the musculus, so that he oppress not the naturall members: *Myrac* is compound, and made of foure things, *viz.* of skin outwardly, of fatnesse, of a carnous Pannicle, and of musculus flesh, and all the whole from *Syfac* outward is called *Myrac*, and in this *Myrac*, or outer part of the womb, there is noted eight Muskles, two longitudinals, proceeding from the shield of the stomack unto *os pectin*, two Longitudinalls comming from the backwards to the womb, and four transverse, two whereof spring from the ribs on the right side, and go to the left side to the bones of the Haunches, or of *pecten*; and the other two spring from the ribs on the left, and come over the womb to the right parts. Here note, that by the musculus longitudinall, is made perfect the virtue attractive, and by the musculus transverse, the virtue retentive, and by the musculus latitudinal the virtue expulsive, and by the virtue attractive is

drawn downe to the intrailes all the superfluities, both water, winde, and dirt; by the virtue retentive all things are holden and kept untill nature hath wrought his kinde; and by the vertue expulsive is put forth all things when nature provoketh any thing to be done. Now to come to the parts contained within: first that which appeareth next under the Syfac is *omentum* or *Zirbus*, which is a pannicle covering the stomack and intrails, implanted with many veins and arteries, and fatnesse to keep moyst the inward parts. This *Zirbus* is an officiall member, and is compound of a veine and an Artery, which entreth and maketh a line of the utter tunicle of the stomack, unto which tunicle hangeth the *Zirbus* and covereth all the guts down to the share; next to *Zirbus* appeareth the intrails or guts, which convey the drosse of the meat and drink, and cleanse the body of their superfluities: There be six portions of one whole gut, which beginneth at the neither mouth of the stomack, and continueth to the end of the fundament: nevertheless he hath divers shapes and formes, divers operations, and divers names. And as the stomack hath two tunicles, so have all the guts two tunicles; the first portion of the guts is called *Duodenum*, he is twelve inches of length, and covereth the neither part of the stomack, and receiveth all the drosse of the stomack: the second is called *Jejunum*, for he is evermore empty, for to

to him lyeth the cheſt of the gall, and heateth him ſore, and draweth all the droſſe out of him, and cleanſeth him: the third is called *Ileon*, or ſmall gut, and is in length fifteen or ſixteen Cubits; in this gut oftentimes falleth a diſeaſe called *Ileaca paſſio*: the fourth gut is called *Monoculus*, or blind gut, and ſeemeth to have but one hole or mouth, one neare unto the other, for by the one all things go in, and by the other they go out again; the firſt is called *Colon*, and receiveth all the droſſe comming from all profitableneſſe, and there commeth not to him any veins miſeraices as to the other: the ſixth and laſt is called *rectum* or *longum*, and endeth in the fundament, and hath in his nether end foure muſcles, to hold, to open, to ſhut, and to put out, &c. Next to be noted is *Miſenterium*, which is a texture of innumerable veines miſeraices, rameſied of one veine called *Porta Epates*, covered and defended of pannicles and ligaments comming to the intrails, with the backe full of Ligaments, and grandulus fleſh.

The ſtomack is compound and ſpermatick, ſinowy and ſenſible, and therein is made the firſt digeſtion of Chile; for if it faile in his working, all the members of the body ſhall corrupt; wherefore *Galen* ſaith, that the ſtomack ſhould be to all the members of the body as the earth is to all that are ingendred of the earth, *viz.* that it ſhould deſire meat for all the body, and that it ſhould be as

a ſack or cheſt to all the body for meat, and as a Cooke to all the members of the body; it is made of two pannicles, the inner is nervous, and the outer carnous; this inner pannicle hath muſculus longitudinals that ſtretcheth along from the ſtomack to the mouth, whereby he draweth meat and drink to him as it were with hands; and he hath tranſverſe will to with-hold or make retention; and the outer pannicle hath latitudinall will to expulſe and put out, and by his heat helpeth the digeſtive vertue of the ſtomack, and by other heats given him of his neighbour, as the Liver on the right ſide, chafing, and heating him with his lobs or figures, the ſpleene on the left ſide ſending to him melancholly to excerciſe his appetites, and about him is the heart quickening him with his Arteries; alſo the braine, ſending to him a branch of nerves, to give him feeling; and he hath on the hinder part deſcending of the parts of the back many ligaments, with the which he is bound to the ſpondels of the back.

The forme of the ſtomack is in likeneſſe of a Gourd, crooked; both holes be in the upper part of the body of it, becauſe there ſhould be no going out unadviſedly of thoſe things that be received into it. The ſtomack is ſubject to many paſſions, and the nether mouth thereof is narrower then the upper for three cauſes. 1. Becauſe the upper receiveth meat great in ſubſtance, and there being

ing fine and subtill, passeth easier into the nether. 2. By it passeth all the chilosity of the meat from the stomack to the Liver. And 3. through him passeth all the drosse of the stomack into the guts. And thus much for the stomack which is likewise under the signe *Cancer*, and the Bowels under *Virgo*.

Next followeth the Liver to be spoken of, which is a principall member, officiall, spermatick, compleat in quantity of bloud, of himselfe insensible, but sensible by accidents, and in him is made the second concoction; he is inclosed in a sinnewy pannicle, and cruded, turneth the chile, that runneth from the stomack to the Liver, into the colour of bloud. In the Liver is ingendred all nutrimentall: the seat of the Liver is under the false Ribs in the right side; the form thereof is burichy in the backside, and it is somewhat hollow like the inside of an hand, plyable to the stomack as an hand is to an apple, and doth comfort the digestion thereof, heating the stomack as a fire doth a pot or Chauldron that hangeth over it: likewise the Liver is bound with Pellicles and strong Ligaments to *Diafragma* or the Midriffe; also he hath Colligaves with the stomack, intrails, with the heart, reigns, testicles, and other members; and in him are five pellicles like five fingers; *Galen* calleth the Liver *Mesaſanguinaria*, and here are the places of the foure Humours, *viz.* Bloud, or sanguine in

the Liver, Choller in the Gall, Melancholly in the Spleen, and Flegme in the Lungs; the watry superfluities to the Reins and these four humours are thus distributed, from the spermatick matter of the Liver are ingendred two great veins, the greatest is called *Porta*, of whom springeth the miseraick veins, which are to *vena Porta*, as the branches of a tree are to the tree it selfe, some of them be contained with *Duodenum*, some with *Jejunium*, some with *Ileon*, some with *Monoculus*, or *Saccus*; and from all these guts they bring to *vena porta* the succosity of chile, going to the stomack, distributing it to the substance of the Liver, and in these miseraick, veins are begun the second concoction, which is ended in the Liver. So that this *vena porta*, spreading it sefe through the gibbous part of the Liver, meet all in one, and there maketh the second great veine called *Concava*, or *vena Ramosa*, and he with his branches draweth all the bloud ingendred from the Liver, and with his branches conveys it to all the members of the body, wherein is made perfect the third concoction. Now to speake of the Cheft or Gall, it is an officiall member, spermatick and sinowy, as a purse or panniculer vesicke, in the holowneſſe of the Liver, about the middle pericle or lob, ordained to receive the choletick superfluities ingendred in the Liver: and in the purse or bag of the Gall are contained three holes, the first receiveth the Cholerick substance

of

of the bloud, that the bloud be not hurt by the choler; the ſecond ſendeth Choler to the bottome of the ſtomack to further the digeſtion; and by the third neck he ſendeth to the guts choler to cleanſe them of their ſuperfluities and droſſe; next is the Spleen, or the mile, which is ſpermatick, and is the receptacle of the melancholy ſuperfluities ingendred in the Liver; he is placed on the left ſide tranſverſely linked to the ſtomack, he is thin of ſubſtance, and purifieth the nutritive bloud from the droſſe of melancholy.

And next it is to be obſerved, that within the Region of the Nutrites, backwards, the kidneys are ordained, to cleanſe the bloud from the watry ſuperfluities, they have in each of them two paſſages, by the one is drawne the water from *Venakelis*, by two veins, called *vena emulgentes*, by the other the ſame water is conveyed to the bladder, and is called *poros urithides*. The ſubſtance of the Kidneys is *Lazrius*, longitudinall, placed behind on each ſide of the ſpondels, they are two in number, the right Kidney lying higher then the left, and are bound to the back with Ligaments, they are full of hard concavities, therefore the ſores of them are difficult to cure; there commeth alſo from the Heart to the Kidneys an Artery bringing with him bloud, heat, ſpirit and life; and a vein from the Liver, bringing bloud nutrimentall to nouriſh them withall.

The

The fat of the Kidneys is made or congealed of thin blood of great quantity, serving to temper the heat of the Kidneys, which they have by the sharpnesse of the Urine. And thus much sufficeth to speake of the Reins and Bowels, the one being ruled by the signe *Libra*, the other under the dominion of *Virgo*.

CHAP. VIII.

Of the Buttocks, Haunches, and Secret Members.

THese are the lower parts of the Womb or Belly, and are adjoyning to the Thighs and Secret Members. Herein is to be noted the parts containing, the parts contained, and the parts proceeding outwards; the parts containing are *Myrac*, *Sysac*, *Zirbus*, and Bones; the parts contained are the *Vesick* or Bladder, the spermatick vessels, the *Matrix*, and *Vulva* in Women; the *Longam*, the Yard, Testicles, or Stones and Gods in men, Nerves, Veines, and Arteries, descending downwards, the Buttocks and Muscles descending to the Thighes: of which in order.

First of the parts containing, as *Myrac*, *Sysac*, and *Zirbus*, of which it is spoken already; but as for the bones of the Haunches, there be of the parts

of

of the back three ſpondels of *oſſa ſacri*, or the Haunches; and three *Cartaliginis* ſpondels of *oſſa caudæ*, or the Tayle bone: Thus there is in every man thirty ſpondels, *viz.* in the neck ſeven, in the ridge twelve, in the reins five, in the Haunches ſix; and every ſpondell is hollow in the midſt, through which ſpondell paſſeth *Nerua* from the braine, or the marrow of the back, and each of theſe ſpondels are bound faſt one with another, ſo that one of them may not well be named without another. And all theſe ſpondels together contained one by another, is called the ridge bone, which is the foundation of the ſhape of the body. They bee joyned to the bones of the haunches, and be the upholders of all the ſpondels; and theſe bones bee ſmall towards the Tayle bone, and broad towards the Haunches, and before they are joyned and make *os pectenis*, each of theſe two bones towards the Liver, hath a great round hole, into which is received the bone called *vertebra*, or the whirle bone: alſo beſides that place, there is a great hole or way, through which paſſeth from above muſculus veins and Arteries, and goe into the thighs. And thus of this bone *Pecten*, and of *vertebra*, is formed the Juncture of the thigh.

Now concerning the parts contained, the firſt is the bladder a member officiall compound of two nervous pannicles, in complexion cold and dry; the

ck. The neck of the bladder is carnous, and hath muscle; to with-hold, and to let goe, and in man it is long, contained with the yard, passing through *peritonium*, but in women it is shorter, and is contained within the *vulva*. It is placed in men between the bone of the share and *longoan*, and in women between the said bone and the matrix; and in it are implanted two long vessels comming from the kidneys, called *porri*, *urickides*, bringing with them the urine or water from the kidneys to the bladder, which privily entreth into the holes of the pannicles of the bladder, by a naturall moeing between Tunicle and Tunicle, and there the urine findeth the hole of the nether Tunicle, and there it entreth privily into the holes of the concavity of the bladder, and the more the bladder is filled with the urine, the straighter the holes thereof be compriſed together: and the holes of the Tunicles be not one even against another, therefore if the bladder be never so full, there can none goe back againe: The forme of it is round, in some bigger, and in some lesse.

There is also two other vessels called *Vasa seminaria*, or the spermatick vessels, and they come from *Venakelis*, bringing bloud to the Testicles, aswell in man as in women, which by the further digestion of the Stones or Testicles is made Sperm or Nature: In men they be put outward, for their Testicles hang without, and in women they be inward.

ward, for their Testicles stand within. Next followeth the matrix in women, which is an officiall member, compound and nervous, cold and dry in complexion, it is the field of mans generation, it is an instrument susceptive, that is receiving or taking, for as the Adamant draweth or attracteth the Iron, so the matrix draweth in the seed of man, and *Aristotle* maketh mention of a Maid that standing in a Bath where some seed of man had been spilt, drew it unto her and conceived thereby; her proper place is between the Bladder and *Longaon*, the similitude or likenes of it, as it were a yard reversed or turned inward, having Testicles likewise within as aforesaid, and is outwardly adorned with haires, in them that be of ripe age; it hath two concavities or Cells, it also hath a long neck like a Urinall, and in every neck it hath a mouth, one within, and another without; the inner in the time of conception is shut, and the outer open as it was before; it hath in the midst a Lazartus pannicle called *Tenpiso*, wherein is two utilities; the first is, by it goeth forth the urine which else would be shed throughout all the *vulva*. 2. By it the ayre that commeth to the matrix is altered and the heat tempered.

Furthermore, in the Concavity of this neck is many involutions and pleats, joyned together in the manner of Rose leaves, before they be fully spread or blowne, and they be shut together like a

purse mouth, so that nothing may passe forth but urine untill the time of Childing. Also about the middle of this purse be certaine veins in maidens, which in time of deflowring be corrupted and broken, and these are called the Tokens of Virginity. Furthermore in the sides of the outer mouth, are two Testicles or stones, and two vessels of sperme, shorter then mans vessels, and in time of Coyt or copulation, the womans sperme is shed down into the bottome of the matrix, also from the Liver there commeth to the matrix many veins, bringing nutriment to the child, when a woman is with child, and those veines, when the matrix is voyd, bring thereto superfluities from certaine members of the body, whereof are ingendred womens flowers, &c.

Now in the matrix, which is the field of generation, is sowne by the tillage of man, a convenable matter of kindly heat, which seed of generation commeth from all parts of the body, both of man and woman, with the consent of all the members, and is shed in the place of conceiving, and by the vertue of nature, is gathered together in the Cels of the matrix, in whom by the working of the mans seed, and by the suffering of the womans seed mixt together, is ingendred *Embryo*. And further it is to be noted, that this sperme that commeth both to man and woman, is made of the most pure drops of bloud in all the body, and by

the chafing or labour of the stones, this bloud is turned into another kind, and is made sperme, and in man it is hot, white and thick, that it cannot run abroad of it selfe, but taketh temperature of the womans, which is thinner, colder, and feebler; and as Rennet of the Cheese hath by himselfe the vertue of working, and the milk of suffering, so the sperme of man and woman make the generation of *Embrion*, which is lapped in a Caule and tied to the mothers womb, untill it commeth forth with the birth of the child; so that of this *Embrion* is ingendred first the principalls, as the heart, the liver, and brain, and of the heart springeth the Arteries of the liver the veines, and of the braine the nerves, and when these are made, nature shapeth bones and gristles to keep and save them, as the bones of the head for the braine, the breast bones and ribs for the heart and liver, and after these springeth all other members one after another.

And thus is the child shaped in the wombe in foure degrees, *viz.* six dayes the seed remaineth as milke, then it is turned into a lump of bloud, and so remaineth nine dayes, and thirdly into a lump of flesh ingendring the principals the space of nine dayes, and fourthly unto the time of perfection of all the members is eighteen dayes.

Now to speake of the Haunches; we come to *Longoan*, or the tayle gut, which is particuler, as

the other Bowels, the length of ten of a ſpan ſtretching nigh unto the Raynes, his nether part is called *Anus*, that is the Tewell, and about him is found two muſcles, one to open, and the other to ſhut, alſo there is in him five veines, or branches of veins, called *vena Emoraidales*, they have *Coligaves* with the bladder, and are partners in their griefs. Now the parts proceeding outwardly, are *Didimus*, *Peritonium*, the Yard, Teſticles, or Stones, and Buttocks. First, of mans generative Members, the yard dureth from *Peritonium*, which place is from the Cods to the fundament, whereupon is a ſeame parting the Cod in the midſt; the yard is an officiall member, the tiller of mans generation, compound and made of skin, brawnes, tendons, veins, arteries, ſinnews, and great ligaments; and it hath in it two paſſages, or principal Iſſues, one for the ſperm, another for the urine. The quantity of a common yard is 8 or 9 inches, with bigneſs proportioned to the quantity of the matrix. Alſo the skin of the yard about the head is double, and called *Prepuſium*, this skin is moveable, for through his conſecration the ſpermatick matter is made better, and ſooner caſt forth from the Teſticles or ſtones; and by it is had the more delectation in the doing; the foremoſt part of the head of the yard before is made of Brawny fleſh, which if it be once loſt, never groweth againe, but it may be well skinned and whole.

The

The Cods is a compound member, and officiall, and as a purse ordained for the custody and comfort of the stones, and other spermatick vessells, it is made of two parts, the inner and the outer, the outer is compound made of skin and Lazartus, longitudinall and transversall, as the Myrach, the inner part of the Cods is of the substance as the *Syfac*, and in similitude as two pockets drawn together, they differ not from the *Syfac*; and there be two, if there fall any hurt to the one, the other should serve; the stones be two, made of glandulus or carnelly flesh, and through the *Didimus* commeth from the braine to the stones sinnewes, and from the heart Arteries, and from the Liver veins, which bringeth unto them both feeling and stirring life and spirit, and nutrimentall blood, and the purest blood of all other members of the body, whereof is made the sperme, by the labour of the Testicles or stones *vt supra*.

The groyns be the emy Junctures, or purging places unto the Liver, and they have carnelly flesh in the plying or bowing of the thighs.

The hips have great brawny flesh on them, and from thence descend downwards Brawns, Cords, and Ligaments, moving and binding together the thighes with the Buttocks or hanches themselves.

CHAP. IX.

Of the Thighes, Legs, and Feet.

THe thigh or *Coxa* is contained from the joynt of the haunch unto the knee; the leg reacheth from the knee to the ankle, and is called *Tibia*; & the foot from the ankle unto the end of the toes; the Thigh, Leg, and Foot are compound, made as the arme and hand, with skin, flesh, veines, arteries, sinnews, brawns, tendons, and cords, whereof in order.

Of the skin and flesh it's spoken of before; and as of veins and arteries, in their descending downwards, at the last spondels they be divided into 2 parts, whereof the one part goeth into the right thigh, and the other into the left, and when they come to the thigh, they be divided into two parts, or branches; one of them spreadeth into the inner side of the leg, and the other into the outer side, and so branching descend down to the Leg, Ankles, and Feet, and be brought into foure veines, which be commonly used in bloud letting, as hereafter followeth; one of them is under the under Ankle towards the heele, called *Soffena*; another under the under Ankle, and is called *Siarica*, and another under the ham, called *Poplitica*; the fourth betweene the little Toe and the next, called *Renalis*. The sinnewes spring of the last spondel, and of *Os sacrum*, and passeth through

the hole of the bone of the hip, and descendeth to the brawnes, and moveth the knee and the ham, and these descend downe to the Ankle, and move the foote, and the brawnes of the foote moove the toes, as is declared in the bones of the hand; the thigh bone, or *Coxa*, is without a fellow, and full of marrow, and round at either end; the roundnesse at upper end is called *Vertebrum*, or whirlbone, and boweth inwards, and is received into the box or hole of the haunch bone, and at the knee he hath two rounds, which he receiveth into the Concavities of the bones of the leg, at the knee, called the great fossels.

There is also at the knee a round bone, called the knee-pan; then followeth the leg, wherein is two bones called *focile major* and *focile minor*, the bigger of them passeth before, and is called the shin bone, and passeth downe making the inward ankle; the lesse passeth from the knee backwards, and descendeth downe to the outer ankle, and there formeth that ankle.

The bones of the foot are six and twenty; first next the ankle bone is one called *Orabalistus*; next under that towards the heele, is one called *Calcany*: and betweene them is another bone, called *Os naculare*; in the second ward there bee foure bones called *Raceti*, as bee in the hands: In the third and fourth wards be fourteene, called *Digitori*, and five called *Pectens*, at the extremity of the

Toes, next to the nailes. And thus be there in the foot 26 bones, with the leg from the ankle to the knee, 2 in the knee, and one round and flat bone, and in the thigh one; in the whole, thigh, leg, and foot, thirty bones: Thus are we marvelously and curiously wrought in the nethermost parts of the earth.

Choyce and select Receipts and Secrets for all manner of Diseases, Gun-shot, and preservatives against the Plague.

What wounds are.

WOunds are in Latine called *Vulnera*, and of the Vulgar, *Vulnus*. They are simple and compound; the simple are those that are onely in the flesh; the compound are those where are cut sinnews, veins, muscles, and bones; and these are of divers and sundry kindes, and the difference among them is by the variety of the place where they are, and the difference of the weapon where-with they are hurt; for some go right, some overthwart that offend divers places of the body: the simple are of small importance, if they keep them cleane and close shut, nature will heale them without

ut any kind of medicine; but those where veins re cut require Art, wherewith they must stop he bloud, and not suffer the wound to remain o en, but sow it up very close, so that the vein may eale; and those where sinnews are cut or hurt re of great importance, and should be healed with reat speed, so the sinnews may joyne with more ase: but those where bones be hurt are of grea- eat importance; for if the bone be soparated from he other, it must be taken away before the wound an be healed. And thus much for what wounds re, and their kinds.

Of the Syncope passion, or swounding through the cause of wounds.

GALEN saith, that Syncope is a sudden decay of strength, through immoderate evacuation, and vehement dolour, continuall watching and paine, intemperatenesse of the principall parts, or vehement perturbations of the minde; but Syncope which followeth in wounds springeth of great effusion of bloud, or else of vehement dolour, and paine; the comming of it is perceived by the weaknesse, pulse, paleneſe of face, cold sweats about the neck and temples; it is not lightly to be regarded because it commeth suddenly, and as the image of death, therefore the wounded man is to be comforted by all means possible; if you perceive

ceive this accident come, give the Patient a piece of fine white bread, dipped in the best Wine you can get, into which Wine put Rose-water & *Manus Christi*, and Burrage water, and give him of the Wine to drink, and comfort him with sweet smels, and chafe his temples with Rose-water: and if he begin to swound, cast cold water on his face, chafe and rub his temples with your hands, and pull him by the nose, thereby to revive and quicken his spirits.

Of Luxation, or Dislocation, and their differences.

LUxation is a going out of a joynt from a natu-rall or proper place, whereby the voluntary motion therof is hindred: there be two differences of luxations, according to the bigness therof; for if the bone be quite out of his socket or place, then it is properly called a Luxation: but if it be only a little removed, then it is named a wrench. A joynt may be foure manner of wayes dislocated or wrenched, *viz.* forwards, backwards, higher, and lower: now to reduce them to their proper places, there are foure intentions to be observed, the first to bring the joynt to his naturall pristine place: the second is the conservation and keeping the joynt so put in, that it slip not out againe: the third to defend the member from

from accidents, as dolour, inflammations, flux of humours, and the like: the fourth to put away those accidents if any do follow.

How the luxated joynt is to be reduced to his naturall and proper place.

FIrst extend the member decently, until such time as the place betwixt both bones is empty and void, then the bone which is out of his place is to be put and placed in his native seat, that the emptines of the socket may be filled againe with the bone; this extension must be done tenderly, with as little paine as possible: neither is there one way onely of extending and stretching out the luxated member, for sometime it may be done with the hands onely, sometime with bands, and sometime with Instruments apt and fit for that purpose, as appeareth in *Hypocrates lib. de luxatis & fractis.*

How the member brought to his naturall place, may be conserved in the same.

WHen the member is brought to his naturall place, you must with all diligence labour to confirme the part, and keep the member from slipping out againe; therefore annoynt the place with oyle of Roses, and apply unto it a

fine

fine old linnen cloath wet in oyle of Roſes, alſo uſe cloaths wet in the whites of Egges, and apply them to the joynt; wet your rollers in water and vinegar mixed together, and roll the member therewith, and if neceſſity require, uſe ſplints of Leather, or paſted paper, and apply them about the joynt; but be carefull the part be not too hard rolled, for feare of inflamation; lay the member in his naturall figure, and unleſſe ſome great and ill accident happen, open not the member before the tenth day at the leaſt; uſe not hot cloathes or medicines for feare of inflammation, but rather ſome refrigerative cerate: and labour to defend the member from a flux of humours, by ſtrengthening it with apt and convenient medicines hereafter mentioned, keeping the Patient to thin and ſmall diet purging and letting bloud if need require.

Of the Cure of broken and fractured bones.

TO the uniting of every fracture is required foure things, firſt the joyning or putting together of the broken bones into their proper place. Secondly, to keep and conſerve them ſo placed without motion: The third is to conglutinate and joyne together the parts of the broken bone by ingendring of *Callus*: Fourthly to correct thoſe acci-

cidents which follow the fractures of bones: first to unite the fractured bones, if the member where the bone is fractured doth extend it selfe and stand upwards, & pricketh, shewing an inequality when it is touched: these be sure signs that the bone broken is out of his natural place; wherfore the mẽber is decently to be extended, & that part of the bone that is depressed to be gently lifted up, and that which standeth upward to be put downe, untill the ends of the fractured bones do meet, and bee united; and brought to their naturall proper place; but it is not possible this can be done without some force and strength; so that if the member be small, and of no great strength, as the finger or other like member, one man may well extend it, and stretch it out, by applying one hand on the one part, and the other hand on the other, untill both ends of the bone fractured doe meet and joyne together: but if the member be great, having strong nerves, and tendons then one man is not sufficient, and you must diligently take heed, that the member be not too immoderately extended or drawne out, for that doth bring vehement paine, and consequently Feavers, Convulsions, Palsey, and such diseases, and oftentimes by this means the Fiberes and threads in the heads of the muscles be broken, therefore let one man lay his hands on the member above the fracture, and the other on the nether part of the member

under

under the fractured bone, ſo ſtretch and extend the member, till both parts of the bone do meet then forme it together, till you bring it to its naturall forme and figure, and when the bone is reposed in his place, then ſhall the Patient feel eaſe of his paine.

To keep the bones that they fall not out againe.

THe broken bone being thus reduced, and brought to his proper figure, the next thing to be obſerved is to keep in the ſame that it ſtart not out againe; therefore all means poſſible are to be uſed to keep the members without motion, and to uſe apt and convenient ligature and rolling: But before you roll the member, firſt mix the white of an Egge and oyle of Roſes together, and wet therein a ſoft linnen cloath of ſuch bigneſſe as may compaſſe not only the place where the bone is fractured, but alſo ſomewhat of the ſound parts above and below. Then this being applied to the affected part, you ſhall binde and roll the member, diligently regarding that you compreſs not the member, by too hard rolling, ſo that nouriſhment cannot come to it, and alſo paine thereby may cauſe flux of humours and inflamation; neither muſt you binde it to ſlack and looſe, for then the broken bones will ſeparate againe, and

goe

a ſunder; but obſerve a meane herein, that you binde not the member too ſtreight, nor too looſe, but follow diſcretion between both, and the feeling of the patient; and as touching your rollers, you muſt have 2 made of ſoft cloth, whoſe breadth and latitude muſt be ſuch, as in rolling there be no looſeneſſe, wideneſſe and plaites. The beginning of the rolling muſt be upon the Fracture, and ſo rolled about three or foure times, and then rolling upward untill you come to the ſound parts, which muſt alſo be ſomewhat rolled; by this means the bones united ſhall more firmely remaine together, and the flux of humours be ſtayed, that they cannot come to the affected part.

The beginning of the ſecond roll muſt alſo bee upon the fractured place, going alſo three or four times about it, and ſo continuing downwards, untill you have compaſſed the ſound parts: which done, you muſt with the ſame roller aſcend upwards againe, untill you come ſomewhat above the firſt roller, therefore the ſecond roller muſt be halfe as long againe as the firſt, which ſuffereth not any flux of humours to infeſt, or annoy the part affected.

Theſe rollers ſhould be wet in water and Wine mixed together before you uſe them, and if there be any vehement paine or inflamation, then the member ſhould be wrapped about with fine wool well carded, or elſe with ſtuffes well in *extractum*, and

And the ligature or binding must not be hard, but such as may keep the united bones together; furthermore there must bee used both to defend the member from accidents, to keep it together, and to confirm and consolidate the same certaine plaisters or cerats, which must be put upon the two rollers, and as it were the third ligature or roll, amongst which is used *Ceratum Humidum*, made of Wax melted in oyle of Roses, but if there be besides the fractured bone any solution or hurt in the flesh, then use not either Cerote or oyle, for that will make the ulcer filthy and stinking, but instead thereof use Plumaciols that be long, dipt in red and stiptick wine.

Now the better to keep the member, placed in his naturall place from dolour and paine, there must be used certaine splints, to be put about the ligature at the first dressing: these splints must be equall, smooth, even; not crooked, or rugged, and in the midst thicker then in the other parts, the better to strengthen the member where the bone is fractured: the way of applying these splints is thus, there must be cloathes three or four fold dipt in Rose-water, and layd upon the roller according as the member requireth, then the splint involved and wound about with woolle, cotten must be placed round about the member, a fingers breadth asunder, and binde them moderately and gently, that you compresse not the

member

member, and take heed that none of the ſplints touch any joynt, if any be neare the fractured bone, for that will make ulceration, and inflammation in the the ſame joynt. Therefore if the fracture be neare to any joynt, you muſt in that place make your ſplints ſhorter, ſmaller, and lighter, and if no dolour, inflammation, itching, nor ulceration commeth to the fractured part, then you may let the ſplints remaine on till the 12 or 15 day or untill the 20 day, but if any of theſe happen, then you muſt unrole the member the third day, and foment it with luke warme water, whereby the paine is ceaſed and the itching put away.

To Conglutinate and Joyne together the fractured bones.

THe fractured bones being thus put in their naturall places, out of the bone muſt grow the nouriſhment to Conglutinate and cauſe them to grow together; and this is called *Callus* which like glew doth Cement them together: wherefore ought to be made grow, by all meanes poſſible. This *Callus* is ingendred of Groſſe and Earthly parts, for ſuch is the nouriſhment of the bones. After the minde of divers it beginneth to grow about the tenth or fourteenth day, when it beginneth to grow you ſhall perceive by theſe ſignes. The dolour and paine is aſſwaged; the inflammati-

ceaseth: and the tumor vanisheth, and the member cometh againe to it's naturall colour. Now the principall way to ingender *Callus* is apt and convenient diet, at the beginning of the Fracture *Hippocrates* counselleth to use thinne and slender diet, to abstaine from flesh and Wine the space of ten dayes. But when ye come to ingender *Callus*, you must licence the patient to use a more large diet, and meates that make good juice, and that grosse and somewhat viscous. Therefore Frumenty is much commended; also the heads & feet of beasts, which nourish and bee of viscous juice. Also give him to drinke good red wine when he goeth to meate, but that must be taken moderately: the bignesse of *Callus* must not be either bigger or lesser then is requisite, for being bigger it bringeth paine to the muskels, and if it be lesser it is unable to defend the fractured bones. How to keep it that it be not too bigge nor too little, followeth.

To remove the accidents which may happen to fractured bones.

THe accidents hindring the cure of the Fractured member, for the most part are extreame paine, inflamation, itching in a wound, immoderate drynes or moysture, *Gangrena*, hardnesse, and the quantity of *Callus* too much, or little. These bee the cheife enemies that hinder natures worke.

Therefore

Therefore if theſe accidents doe infeſt and beſeige the Fractured member, after it be bound, rolled and dreſt, you muſt with ſpeed looſe the Ligature and take away the roller, and then the member being bare and naked, foment it with the Oyle of Roſes, vinegar, and other medicines mentioned before, and doe not uſe againe either ligature or ſplints before the paine bee aſſwaged and the inflammation ceaſed, but onely to ſtrengthen and keepe the member together; but theſe accidents being expelled, then uſe ſplints and roling, as before, and if this itching happeneth, then foment the place with water temperately hot, and apply to it *Vnguentum Album* or *Vnguentum Populeon*, and binde the member as aforeſaid. Further if there happen to the member any wound either at the breaking of the bone; or elſe made by the *Chyrurgeon* to take out the ſhivers of the bone moleſting the muſkels: or if there be any flux of bloud you muſt labour to ſtaunch it with convenient remedies, as are herein ſet forth, if any inflammation follow, it muſt be repelled if the fleſh be broken and contuſed, then ſacrifie the parts for feare leaſt *Gangrena* ſhould follow, which if it ſhould or any putrefaction, you muſt endeavor to cure it as is ſet out in the enſuing medicines; and if none of theſe happen, then uſe the like medicine to the cure of the wound as you do to freſh and grer wounds. Further if the wound bee immoderdry whereby the growing of *Callus* is

ſhall be convenient the third or fourth day to fo-ment the place with water: and when as the fleſh doth riſe in a tumour, then ceaſe the fomentation unleſſe it be to evaporate and digeſt the multitude of matter, then ceaſe not till the tumor goeth away; and if moiſtneſſe follow in the fractured member and hinder the ingendring of *Callus* you ſhall put it away by convenient ligature and roling and moderate exſiccation, now that the *Callus* may be ingendred of convenient ſubſtance, neither too big nor too ſmall; you muſt take heed to the diet, fomentation, and plaiſters; if you would increaſe it, uſe plaiſters which doe moderately heale, but if it be too big then uſe medicines aſtringent, and a compreſſing ligature and plate of leade alſo fomentations made with oyle, ſalt-peter, and ſalt water made hot. But if the *Callus* be not growne at the accuſtomed time which appeareth if the member affected be leaner, ſmaller and ſlenderer then it was naturally; then you muſt apply unto the member hott atractive medecines let the Patients diet be more large, and cauſe him to embrace mirth, and baniſh heavyneſſe, and ſuch paſſions of the minde as may bring the body into a melar cholick diſpoſition. And thus much touching broken or fractured bones, luxations and diſlocated joynts.

A secret powder to stay the flux of bloud in a wound.

℞. *Aluminis Succarini, Thuris, Arsenici,* ana ℥ ij. *Calcis vini* ℥ vj.

Make them all in fine powder, and put unto them one pinte of strong vinegar, and boyle them on the fire, stirring it, till the vinegar be consumed, then set it in an oven, or in the Sun, till it be perfectly dry, then make it in powder, and when you will use it, take of this powder three ounces, Bolearmoniack halfe an ounce, *Pulvis Alcamifieus* one ounce; mix all these together, and make them into very fine powder: and thus you have the powder prepared and sublimed to restrain any flux of bloud, when you use it, take 4 ounces of this powder, and incorporate it with whites of Egs; then make a boulster or stuffe of Tow as large as the end of the member you take off, or place where the wound is; dip the Tow first in vinegar, and presse it out againe, then spread your medicine on the Tow, and after strow a little of this dry powder upon it, and so make many little bolsters of Tow, to lay upon this, as need doth require for to restraine bloud.

Of Wounds made with Gunshot.

1. *That the usuall Gunpowder is not venemous.*

CConcerning the nature of Gunpowder, many have affirmed it to be venemous, and so consequently the wounds made with powder must have the cure of venemous wounds; I doe not deny but there may be Gunpowder venemous, but the usuall powder is not, and that I shall shew, for it is made of Zulphur, Saltpeter, and Coale, neither of which are venemous; so that if the simples be not venemous in themselves, neither can the compound be so: *Dioscorides* writing of Zulphur, saith that Zulphur doth heat, dissolve, and concoct speedily; it is good against the cough and short breath, taken in an Egge, or using the fume of it; it taketh away leprosie and scabs, being tempered with vinegar, and healeth the itching of the body; these be the words of *Dioscorides* touching Zulphur: Of Nitre he saith (which is Saltpeter) it hath the strength and ustion of Salt; it helpeth the Collick, if it be taken with Commine in hydromell, or new wine boyled, or any thing that doth breake winde, as Rue or Dill; it is mixed with Emplaisters, which do extract & dissolve; it doth extenuate and put away the Leprosie,

profie, used with warm water or Wine, it opens fellons mixed with Rozen, or Turpentine. *Galen* saith, all kindes of Zulphur are hot, and do resist the venome of poysonous Beasts, being used with old Oyle, Honey, and Turpentine. Of Nitre, or Saltpeter he saith, it is a meane between Aphronitum and Salt, it doth dry and digest, and being taken inwardly, it doth cut and extenuate grosse and slimy humours more then Salt: Aphronitrum (unless great necessity doth enforce it) is not to be taken inwardly, because it burteth the stomack, and doth extenuate more then Nitrum, therefore both *Dioscorides* and *Galen* found Zulphure and Nitre so far from any venemous quality, as they used them as approved and excellent medicines against venome. So that unlesse any will be so ridiculous as to affirme the Cole to be venemous, the simples entring into the composition cannot make the powder venemous.

And many times, Gunpowder instead of other medicines hath been used in wounds to dry and exsiccate, to the great comfort of the Patient; and therefore it is not in mixture or composition venemous but medicinable, and hath in him the vertues obsterstive and deficcative, neither in those that are shot with this powder doe there follow any of those Accidents which are inseperable in venemous shot; and the cure of these wounds agreeth with those that be contused or broken,

without the Addition of any medecine or *Alexipharmacon* against venom, and are to be numbered amongst greene wounds, such as are called bruised, Contused, or Crushed wounds. And now to the Generall cure of wounds made with Gunshot.

Of healing wounds made with Gunshot.

TO the cure of such wounds properly belong two things; the one is to deliver and cleanse the wound of all such things as are not agreeable to nature, which are not onely shot, iron splints or shivers of wood, cloth, dust, oyle, or such like, but also the clods of blond, matter, bruised flesh, and such like, which you shall endeavour to take out with instruments for that purpose, or if the wound be so narrow that it cannot be taken out with an instrument, then you must labour to enlarge the wound either with tents, as the roote of *Gentian*, pith of elder, or a peece of sponge, or if otherwise then to make incision with a paire of Cisers or sheeres made for that purpose; there are also divers instruments when the wound is enlarged to take out such things, as Tongs, Nippers, Terrebils, Crowbills, which a Chyrurgeon must alwayes be furnished with. Then to endeavour to cure the wound as you would a bruised, crushed, or contused wound, and to take away the bruised flesh with

aſmuch expedition as poſſible with conveniency, without ſharpe and biting medecines, therefore you ſhall lay to the contuſed place, or wound of *Mercury precipitate drachme* 1. or as much as you ſhall ſee cauſe, and mixe it with ſimple oyle, oyl of Roſes, butter, or freſh Barrowes greaſe, and droppe into the wound one droppe of this oyle following.

℞. *Reſinæ abjectinæ* ℥ v. *Olei roſarei* ℥ ij. *ſem: Hypericonis* v. drachms, *ſem. Momordicæ*, iii. drachms.

The ſeeds muſt be bruiſed and put in a double veſſell with the oyles, and let them boyle halfe an houre, then ſtraine them and keepe them to thy uſe. This oyle doth concoct and digeſt and preſerveth the ſound fleſh from corruption and putrefaction.

A plaiſter good to extract ſuch things as are fixed in wounds.

℞. *Apoſtolicon deſcript. Nicholai* 4 ounces, *Magnetis orientalis* 2 ounces.

Polipodij.
Dictami albi } *ana* halfe an ounce.

Pinguedinis leporinæ 2 ounces.
Olei canabis 1 ounce.
Terebinthinæ halfe an ounce.

Of theſe make an Emplaiſter which is marvelous

in

drawing out rotten bones, thornes, or the like.

But in poysoned shots, the medicines before rehearsed, are not sufficient, but you must give the Patient some Antidote or *Alexipharmacon* against venom or poyson both inwardly and outwardly: inwardly you shall give him every day this potion.

℞. *Vini cretici, Sublimate rute ana* ℥ 4
Tormentilla } *ana* 2. *drachms.*
Dictami }

Theriace opt. 1. *drachme*, let them be boyled till a 3. part be consumed, so reserve them for vse. Outwardly, into the wound you shall put oyle of violets warme, which oyle must be made of Linseede oyle; you may also wet your tent in that oile, and mixe it with your other medecines that you apply to the wound.

To cure a simple wound in the head made with gunshot.

First consider whether the wound be simple or compound, if the wound be simple, the cure is easier and without danger if the patiet have not a body repleat with evill juice or have tasted of that cõtagion called *morbus gallicus*, if the wounded patient be so affected, though the wound be small & simple, yet trifling wounds in such bodies are not cured

red without much diligence; wherefore in ſuch bodies you muſt labour to cleanſe the body thereof by bloud letting, purging, by ſweating, and good diet, ſo that the body being rectified, the cure of the wounds ſhall be the more ſpeedy and eaſie.

Now to the cure of ſimple wounds in the head.

Firſt let the haire be ſhaven round about, and apply this unguent following.

℞. *Precipitati optimi* 2. drachms
Butiri ſalis experti, } *ana* drach. 1. *ſs.*
Oleiroſarum }
Croci 2. *graines.*

Mixe theſe and make an unguent, which you ſhall lay on ſoft linnen cloth and apply to the wound, lay on the wound alſo *Bolus armenius*, tempered with oyle of Roſes and the white of an egge like an unguent to defend the parts from accidents.

And this ſhall ſuffice for the firſt day: you may alſo at the beginning uſe in ſtead of the ſecond unguent this comfortable cataplaſme following;

℞. *Olei myrtillorum* }
Roſarum ana. } ℥ i
Baulaſtiaum }
Roſarum rub: } *ana* ℥ 1
Boli armeni. }
Sanguis draconis 1. drachm.
Mirrhe halfe a drachme. Make

Make of all this a Cataplasme according to Art and apply it, the second day you shall use such medicines that doth digest and moderately dry the wound, of which sort this is one.

℞. *Terebinthina lota* 1. ounce,
Mellis rosarum 2. ounces.
Butiri salis experti 3 drachms.
Farinæ hordei,
Aristolochiæ rotundæ } *ana* 1. drachme.
Radicis ireos.
Aloes halfe a drachme

Mixe these and make them into an unguent and use it untill such time as there appeareth signes of concoction in the wound; then use no more butter in the wound but this powder following.

℞. *Sarcocollæ* 1. drachme
Cottienum radicis papaveris halfe a drachme
Farrinæ orobi }
Mirrhæ } *ana* drachme 1. ʃʃ

Make this in powder and temper it with the other unguent, and use this untill the wound be perfectly cured; and this is the cure of a simple wound in the head.

Of wounds compound in the head through shot.

In

IN the cure of compound wounds of the head you muſt firſt uſe inſition; with ſome inſtrument ſharpe and flat raiſe the ſkinne and fleſh from cranium, and if you ſee any ſhott or peece of bone, which may eaſily be taken out, you may do it with ſome convenient inſtrument; but if it will not bee without dificulty, then wett your ſtuffs in aſtringent wine, and vinegar mixt with *Bole armonicke* and *Sanguis draconis*, and lay it to the wounds; then the next day following uſe this receipt for 3. or foure dayes, for feare of inflammation to follow.

℞. *Boli armoni* 2. ounces.
Ovorum 2. ounces
Roſacei omphacitis 3 ounces
Croci 3 graines *miſce.*

Then you may uſe this digeſtive following, untill the thing fixed will eaſily be taken out.

℞. *Terebinthinæ lotæ in vino* 3. ounces,
Ovorum vitella 2.
Olei roſati ℥ ij
Aloes 2 *ſcruples* ij
Croci 4 *graines miſce* ſ: A.

IN other things it differeth not from the cure of ſimple wounds, But if any veine under *Cranium* bee broken, and maketh effuſion of bloud, or if *dura mater*, or *Pia mater* be rent or torne, if *Cranium*

nium be bruiſed, and thereby the braine ſuffer, you muſt with all expedition ſet a trapan on *Cranium* and give the wound vent, and take out the bloud and matter or what elſe doth depreſſe the braine, and when you are conſtrained hereunto, make tents of cotten or lint, and put into the Patients eares, and command a man to compreſſ with his hands the patients eares, leaſt the noiſe make him too much affraid and faint harted and dippe your tents in ſtipticke wine or oyle of Roſes. And wet ſtuffs in oyle of Roſes and lay them on the place, and lay upon the ſame cloth bole *Armonick* mixed with the white of an egge and apply it to the wound to prevent inflammation; and if there followeth any corruption to any part of the braine then uſe *Unguentum Egiptiacum* which is moſt excellent in this caſe.

Of wounds in the breaſt with gunſhot.

ALthough the wounds in all parts of the body are all one in effect yet they differ in the cure according to the place wounded. Therefore if a wound be in the breſt and pearſe not through, you may cure it like other wounds and the firſt two dayes *Unguentum ex precipato*, or ſome other of the like effect, alſo uſe ſome medicines which wil gently exicate and mundifie as *mell roſarum ſimplex*,

And after the fourth or fift day use *abstersive* medicines make after this manner.

R. *Mellis rosarum* 1. ounce
Terebinthine } *ana* 2 drachmes.
Butiri recentis }
Farine hordei } *ana* 1 drachme
Aristolochie rotunde }

Mix these together and dip your tents in them, but on the wound lay this medicine following.

R. *Albumen unius ovi*
Olei rosati 1 Ounce.
Boli Armeni 1 ounce. and halfe misce.

The rest of the cure of these wounds doe not differ from other wounds.

Of wounds with gunshot in the belly.

WOunds in the belly or flank that peirce not through & hurt not the spine of the back, are cured as simple wounds in the flesh, but if the shot have peirced through the belly and wounded either the stomack, Liver, spleene, kidneys, intestines, bladder, or any of the great veynes or arteries, then there is no hope of life to be looked for; but if the shot have pierced the belly, and yet wounded none of the forenamed members; then the shot being

being taken out there is ſome hopes of recovery.

Therefore you muſt labour to take out the ſhot with a probe fit for that uſe, but if you cannot without much labour doe it, it is better that it remaine within, then to provoke mortall accidents, by laboring to take it out; for the wound may bee very well cured, and the bullet remaine within: And if blood bruiſed or matter be in the belly, uſe wine warmed and make injections, and uſe this incarnative following.

℞. *Thuris*
Aloes } *ana* 1 drachme
Farinæ hordei
Terebinthinæ
Millis, } *ana* 2 drachms.
Succi myrtiphili

Mixe the flower with the juice, and diſſolve and melt the honey and the turpentine at the fire; then put altogether, and make an unguent: with this ſpread your plaiſters and dip your tents in; and when the fleſh doth grow and the wounds fill, apply ſuch medicines as be aſtringent, and that doe dry: and if need be open a veine in the arme, and alwayes keep the belly ſolluble.

Of wounds in the legs and armes made with gunshot.

THe cure is after the method set out before, first with your probe search out the shot, and with your crowbill take it out, but if the shot cannot easily be found, then proceede on to the cure of the wound and let it remaine within; instill and power into the wound the unguent made with butter, *precipitate* and *Egyptiacum*, and let it peirce into the wound, then make tents and dip them in the same, and put them into the *Orifices* of the wound, and when the wounde is well mundified, use some incarnative, as this following.

R. *Terebinthine*, 2. ouces
Mellis 1. ounce.
Aloes, *Thuris*, *Farinæ hordei* } *ana* 1. drachme,
Aristolochiæ, halfe a drachme.

And you must have a care that you make your tents dayly shorter and lesser, as the wound healeth; but if through the violence of the shot, any bones be fractured and broke, then you must use a double cure: First, you must labour to take out the shot, next to remove the contused and broken flesh, and to procure the generation of new, and then you must come to the unition of the fractu-

red bones, and keep the ſame without motion, as is ſet out before in the cure of fractured bones and diſlocations, ſaving that you ſhall not uſe ſuch ligatures and ſplints in this kind of wounds, but uſe an inſtrument to lay the fractured arme or lege in, and cover the member with ſoft cloathes to defend it from the injury of the aire.

Of burnings with gunpowder.

THe cure is all one with other burnings of fire, but becauſe thoſe that are much uſed to ſhoot in guns are ſubject to the flame of powder, I have placed it heer, if the skin be not ulcerate, you may apply oyle of bitter Almonds, oyle of Olives, or juyce of Onyons, but if there be ulcerations, uſe this Unguent following.

℞. *Olei olivarum*, 2. pound.
Secundæ Corticis ſambuci, 4. ounces.

Boyle theſe on the fire, then ſtrain them out ſtrongly, after adde to them

Ceruſſæ halfe an ounce.
Plumbi uſti } *ana* 3. drachmes.
Litharyri }

Mix them, and make thereof a liniment, and apply it: Thus much of gunſhot.

Receipts

Receipts for severall Diseases.

Here followeth choyce and select Receipts.

An excellent preservative against the Plague.

TAke Aloes Epatica, or Sicatrina, Cynamon, and Mirrhe, of each of them three Drams, Cloves, Mace, Lignum Aloes, Mastick, Bole Armonick, of each of them halfe a Drachme, stampe them well together in a clean morter, mingle them together, and take of it every morning two penny waight in halfe a glasse of white wine, with a little water, and drinke of it in the morning, it is excellent against all infection of the Ayre and Plague.

Remedies against the Plague.

IN the time of Pestilence in no wise suffer too great thirst, and if you do thirst drink but measurably, and use cooling drinkes, such as Tysan water mingled with Vinegar, or water of Burrage, Lettice, Rose-water, Scabious, Turmentill, or Dittany; also when you go to bed, shut your doores and windowes close, and have a pan of coales, whereon cast powder of Laurell leaves

dryed, Rosemary and Frankinsense; also use in your chamber fire of Juniper wood, Frankinsense, Storax, Calamint, and Labdanum; like wise have ever some Pomeander or good scent about you.

A Drinke for the Plague.

GIve the Party (finding himselfe sick) before he sleepe, six spoonfuls of *Aqua vita*, and put therein a spoonfull of beaten gunpowder, and let him drink it, and sweat upon it.

A Cordiall Water.

TAke a gallon of Strawberries, and put them into a pint of *Aqua vita*, let them stand for foure or five dayes, strain them gently out, and sweeten the water as you please with fine Sugar or Perfume.

For burning or scalding.

TAke green Geese dunge, and fry it with fresh butter and sheeps suet, and strain it through a cloth, and lay it on the sore.

For stinging of Adders and Snakes.

TAke Draggons and drink it, also stamp Draggons and lay it to the place, where the sting-

ing

ing is, it will both draw out the venom, and heale the smarting and pain.

For the Scurvy.

TAke of white-wine a quart, of running water or Ale, which you like best, a quart, Coltsfoot four or five leaves, English Licoris scraped and sliced two or three sticks, of Hyssop two or three slips, Raisins of the sun stoned ten, of Figs sliced two or three, of Anniseeds brayed in a morter a spoonfull, of Elecampane a root or two, boyle these together to the halfe, then skim and strain them in a fair cloth, and set the liquor upon the embers, and therein put an ounce of white suger-candy beaten; take about a spoonfull hereof morning and evening, and every two houres as much. *Probatum est.*

For pain in the head, and to cause sleep.

TAke two handfuls of Dog-bryar leaves, four spoonfuls of wine vineger, as much red Rose-water, as much breast-milke, a Nutmeg sliced small; infuse these in a dish upon a chafing-dish with coales, and apply them to each side of the head, upon the temples when you go to rest; in case the Roses be not to be had, red Rose-cakes, or red Poppy-cakes will serve the turn.

For a Canker, or any other heat in the mouth.

TAke red Sage and Rue, of each a handfull, of Sorrell, Groundſell, of each a ſmall quantity; cut the Hearbs ſmall, and ſtampe them in a wooden veſſell, then take roach Allome the quantity of a Walnut, of white Copperas as much as a Hazell Nut, and burn them together: Take alſo as much Copperas and Allome unburnt, ſtamp theſe with the Hearbs very ſmall, then boyle them in a pint of running water, with three ſpoonfuls of Engliſh hony, till halfe be conſumed, then let it run thorough a ſtrainer, into an earthen veſſell; when it is cold put it in a glaſſe, and when you uſe it, you muſt gargle with it three times a day; you may lay ſome of the Hearbs that remaine in the ſtainer, to the ſoreſt places, if you ſee cauſe.

For the pin and web, or any other Rheume in the eyes.

TAke two new layd Eggs, make a hole in the crowne, and put the whites into a ſawcer, then put away the yolkes, and take one of the ſhels and waſh it with faire water, and put halfe the white into it, then put in as much white Copperas as a Peaſe, and ſo much Roach Allome, then

fill the egge-ſhell up with the reſt of the white, then lute it up with a little dow, and wrap it in a wet paper, and rake it up in Embers till it be very hard, then ſtrain it thorow a ſtrong cloth, drop one drop of this water into your eye, lying on your back, morning and night, and alſo at foure of the clock, if need be.

For a woman that hath not her termes.

TAke a ſmall quantity of the beſt *biera picra*, every morning in a little warm poſſet drinke; if the party be of a weake conſtitution, then every other morning, about two houres after let them drinke ſome warm phyſick broth, and beware of taking cold; if need be let blood in the foot.

A Powder for the green ſickneſſe.

TAke a quarter of a pound of Sugar, Steele ℈ i. of Pearle, Cloves, Mace, and Nutmegs, *ana* halfe an ounce, beat them very ſmall, and mingle them together, and take in the morning faſting as much as will lye on a ſix pence, and ſo much again at four of the clock in the afternoon.

A Purge.

TAke of the beſt Sena, ſix Drachms, of Rhabarbe two Drachms; *Cremor tartari* halfe

a Drachme, of ſweet Fennell-ſeed as much, and a little Cynamon; infuſe all theſe one night in half a pint of white wine, in the morning let it boyle a walm or two, ſtraine it and put to it of the beſt Manna ℥ i. diſſolve it over the fire, then ſtraine it, and put to it one ounce of the ſollative ſirrup of Roſes, and ſo drink it; faſt two houres after from meat, drink, and ſleep, and then drink nothing but thin broth.

For the Ptiſick, or ſhortneſs of breath.

TAke a pint of Hony, clarifie it, and put to it ℥ ij. of flower of Licoras, a quarter of a pound of Currans, two ounces of ſweet Fennell-ſeed bruiſed, flower of Elecampane roots two drachms, ſtir all theſe together into the hony over the fire, then take it off, and eate a little of this in the morning, and at any other time, when you ſee occaſion. *Prebatum eſt.*

An excellent Drinke for the Ptiſick and Conſumption.

TAke two quarts of running water, put into it two handfuls of unſet Hyſop, two handfuls of tops of Roſemary, a handfull of Scabious, a little Lungwort, and Mayden-hayre, nine or ten Figs ſliced, a few Elecampane roots, ſtir all theſe together,

ther, boyle it to a quart, and ſweeten it with Sugar-candy, drinke hereof three times a day, a little warme, morning faſting, three in the afternoon, and laſt at night.

For the Dropſie.

TAke ſweet Fennell-ſeeds, Anniſeeds, Parſly-ſeeds, Coriander-ſeeds, of each an ounce, Raiſins of the ſun ſtoned one pound, blew Figs halfe a pound, French Barley two ounces, *Capillus veneris* one handfull, Hartongne, Polipody-roots, Liverwort, Lungwort, *ana* halfe an handfull, red Sage, Penny Royall, Violet leaves, each one handfull, nine tops of Roſemary, inward barke of green Elder one handfull, Liquoras two ounces, boyle all theſe together in a gallon of ſpring water, to a pottle, then ſweeten it with Sugar-candy, and drinke of it when you pleaſe: After this take halfe a peck of Sage of vertue, and red Sage together, and two handfuls of Rue, and ſtill them together, and ſo drink them altogether.

A Plague Water.

TAke a pound of Celandine, Roſemary, Balm, Rue, Wormwood, Draggons, Scabious, Pimpernell, Egrimony, Bettony, Angelica, Cardus, Marigold leaves and flowers, Burrage-leaves and flowers,

flowers, Featherfue, *Roſa ſolis*, Pellitory of Spain, Pellitory of the wall, red Sage, and Sage of Jeruſalem, Setwell, Mother time, and Devils bit, Tormentill, of every of theſe a pound, or leſſe, as you ſee cauſe proportionably; Tormentill roots halfe ſo much as of the Hearb, put all theſe together in a great pot, and let them ſoke in white wine three dayes and three nights, ſtopping the pot very cloſe and ſtirred two or three times a day, being ſet in a very coole place, then take out the Hearbs and ſtill them, and keep the water in faire glaſſes, and ſet the ſame in the ſun; and if any happen to be ſick of this diſeaſe, give them ten ſpoonfuls of this water bloud warm, ſo ſoon as they feele themſelves ſick, and then let him walk an houre if he be able; if he be not of himſelfe, then let him be led about by the armes an houre, let him not eate or drink in the mean time, and then have him to bed; if he vomit it is the better, and if he take it before he ſleepe he ſhall eſcape (*Deo Iuvante*) the older the water is, the better it is: This water muſt be ſtilled in May, if the Hearbs can be got ſo early; and it is good againſt the Ague, or any infectious diſeaſe that is in the ſtomack, being taken before the fit do come.

For heat in the Vrine.

TAke the rinds of Hazell, ſteepe them in Ale or Beere, and drinke it for your firſt and laſt draught

draught every day, and at any other time, if you please.

Another for the same.

DIstill Purslaine in a common still, and drink of that water a quarter of a pint every morning.

For a strain causing one to spit blood.

TAke a pint of good Sack, and set it on the fire, and put into it a good piece of fine Sugar, let it so stand till it be ready to burn, (burn it not) then brew into it the yolkes of four new layd egges, strain it, brewing it continually till it be thick like a Cawdell, then drink a draught thereof first and last, both morning and night; Sirrup of Comphrey is likewise very good for the same purpose.

A Bag for purging Ale.

TAke of Egrimony, Speedwell, Liverwort, Scurvy-grasse, Watercresses, each a good handfull, of Monke, Rhabarb, and red Madder, each halfe an handfull, of Horse Rhadish roots ℥ iij. Licoras ℥ ij. Sassafrace ℥ iiij. Sena ℥ vij. sweet Fennell-seeds two drams, four Nutmegs, pick and wash your Hearbs and roots, bruise them all in a morter, and put them all into a bag made of bolter; so hang them in three gallons of middle Ale,

and

and let it worke in the Ale, and after three dayes you may drink of it as you see occasion.

For to stay vomiting.

TAke Roses and boyle them in good strong Vinegar, and make a Plaister thereof, and apply it to the stomack.

A secret Powder for wounds.

TAke Hipericon leaves and flowers, Millfoyle, and Viticella, and stamp them together, and strow it upon the wound, and round about the wound when it is dressed, and it doth defend it from Accidents.

Of the Sciatica.

THe Sciatica is a Disease so called, because it cometh in that place of the body called Scio, and is caused of an evill quality, and grosse humors that are stayed in that place, because they cannot passe down: The Cure thereof is with Glisters, Vomits, Purgations, and Unctions, because the Glisters do evacuate those places next unto it, and so easeth the humor; the Vomit cleanseth the stomack, the Purgation doth evacuate the body downwards, and the Unctions dissolve the wind, and

& eaſe it; ſo that by theſe means, you may help the Sciatica.

Againſt a ſtinking mouth.

YE muſt waſh your mouth with water and vinegar, and chew Maſtick a good while, and then waſh your mouth with the decoction of Aniſeeds, Mints, and Cloves ſodden in wine.

For a ſtinking breath.

SEeth two ounces of Commin-ſeeds bruiſed in a pottle of white wine unto a quart, then keep it, uſing to drinke a little thereof at night warme, the ſpace of fifteen dayes, and it will help.

To make an aking tooth fall out of himſelfe, without any inſtrument or pain.

TAke wheat-flower, and mix it with the milke of the Hearb called in Latine *Herba lactaria*, in Engliſh Spurge, which is an Hearb well enough known, and thereof make as it were a paſte or dow, with which you ſhall fill the hole of the tooth, and leave it in a certain time, and the tooth will fall out of himſelfe; alſo if you waſh your mouth once every month with wine, wherein the root of the ſayd Hearb hath been ſodden; you ſhall never have pain in your teeth.

A

An excellent purging Ale called the Ale of health and strength.

TAke Sassafrace-wood halfe an ounce, Sarsaparilla three ounces, white Saunders one ounce, Mace a quarter of an ounce, *Lignum Rhodium*, China root, each halfe an ounce, *Lignum vitæ* a quarter of an ounce; cut the woods as thin as may be into small pieces, and bruise them in a morter, and put to them Cowslip flowers, and Romane Wormwood, each an handfull, Sage, Rosemary, Bettony, Mugwort, Balm, and sweet Marjoram, each halfe a handfull, a handfull of Hops, boyle all these in six gallons of Ale, till it come to foure; then put the Woods and Hearbs into six gallons of Ale of the second wort, and boyle it likewise till it come to foure; let it run from the drugs, and put your Ale together, and use it as you do other Ale, put it in a sweet vessell till it be ripe, and then drink it at your pleasure.

A Medicine for the Gout to be taken in order.

1. *The Pultis.*

TAke of Manchet about three ounces, the crum only thin cut; let it be boyled in milke till it come to a pulpe, then adde unto it a drachme and a halfe of the powder of red Roses, of Saffron ten graines,

graines, oyle of Roſes halfe an ounce; let it be ſpread upon a thin cloth, and applyed luke warm, and continued for three houres ſpace.

2. *The bath for the Gout.*

TAke of Sage leaves halfe an handfull, of Hemlock roots ſliced ſix drachms, of Briany roots halfe an ounce, two handfuls of red Roſe leaves; let them be boyled in a pottle of water wherein ſteele hath been quenched till the liquor come to a quart, after the ſtraining put in halfe a handfull of bay-ſalt; let it be uſed with ſcarlet wool, or ſcarlet cloth, dipt in the liquor hot, and renewed ſeven times in the ſpace of an houre, or a little more.

3. *The Plaiſter for the Gout.*

TAke the Plaiſter of Diacalcytis as much as is ſufficient for the part you mean to cover; let it be diſſolved with oyle of Roſes in ſuch a conſiſtence as will ſtick, and ſpread it upon a piece of Holland, and ſo apply it.

For a ſtraine.

TAke Powder of Corrall, and Powder of Rock-amber beads, each halfe a drachme, make them up into paſte with a little gum-draggon and conſerve

ſerve of red Roſes; this you muſt eate morning and evening, and beware of violent ſtirring, wine, and women, and meats with Pepper.

For a Flux.

PUt one ounce of whole Pepper into a quart of new milke, boyle it unto a pint, and drinke halfe a pint thereof every morning, and faſt three houres after it.

For a Pin and Web, or any other Rheume in the Eyes.

TAke two new layd eggs, make a hole in the crowns, and put the whites into a ſawcer; then put away the yolkes, and take one of the ſhels and waſh it in faire water, and put halfe the white into it; then put in as much white Coperas as a Peaſe, & as much Roch Allome, then fill up the egge with the reſt of the whites, roſt it in embers, and afterwards ſtraine it, drop a drop of it into your eye, lying on your back morning and evening.

Another for Rheume in the eyes.

TAke white Archangell flowers, and put them into ſallet oyle, and heat them upon a chafing-diſh of coales, and lay them to the nape of the neck,

neck, as hot as you can ſuffer them.

For blear'd and watry eyes.

TAke a quarter of a pint of the pureſt running water, and put it into a violl glaſſe, and put thereto four ounces of the beſt white Copperas, being firſt beaten into very fine powder; then put thereto three or four ſpoonfuls of red Fennell-water, or for want thereof as many of the ſprigs of red Fennell, growing next the root; then lute up the violl cloſe, and ſet it in a skillet of faire water, and warm it ſo til it begin to boyle, then take it out, and ſo keep it for uſe; let the patient morning and evening have a drop dropped into the eye.

For heat in the Eyes.

TAke the white of a new layd Egge, beat it very well, then let it ſtand and ſettle, and take a ſpoonful of the cleareſt thereof, and as much breaſt-milke, and ſo much red Roſe-water, as both of them, mingle them well together, put them into a glaſſe, and when you uſe it, warme a little thereof bloud-warm, and dip two or three rags folded three or four times double, being very fine, and bind them on the eyes when you go to bed, and in the day time waſh therewith your eyes, as often as you pleaſe.

A Water for ſore Eyes.

TAke ſix drachms of Tutia, made into fine powder, as much Aloes in powder, as much fine Sugar, a pint and an halfe of white wine, as much white Roſe-water, put all theſe into a pottle glaſſe, ſtop it very cloſe, and ſun it a month, ſhaking it very wel twice or thrice a day, and ſo keep it for your uſe.

An Electuary for a Conſumption.

TAke Elecampane roots one pound, waſh and ſcrape them clean; cut them in little ſquare pieces, then take of Rhadiſhes a quarter of a pound, ſlice them thin, and as many Wardens as the weight of both theſe; ſlice them thin likewiſe, mingle them together, laying them in Lines in a Pipkin, and put between every of them ſome hony, lute up the Pipkin cloſe with paſte, and bake it in an Oven with houſhold bread: A pint of hony may be enough for this quantity; when it is cold beat it to a pulpe in a ſtone morter, and take it as an Electuary morning and evening.

A Julip for a Conſumption, or any weak body.

TAke a Capon that is fleſhy, and not fat, dreſſe him clean, cut him into about ten pieces, waſh him

him in white wine, cut every piece by it selfe, and put into every piece a small skewer, that the flesh may not touch the bottome, then put them into a jugge, with a narrow mouth that will hold about a pottle, then put to it twenty Raisins of the sun stoned, four Dates quartered, two large Maces, a sprig of Rosemary, stop it up close with a Corke, then lute it with paste, and tie a cloth over it, that no ayre get out or in, then set the jugge in a pottle of water, and set bricks about it that it may not stir, so let it boyle six houres at the least; keepe your pot full of water to the neck of the jugge, by having other water ready heated to fil it, then take it out of the pot, and when it hath stood halfe an houre, poure out the Julip; if there be any fat in the top take it off, put to this ten graines of Amber-greese in powder, stir them wel together, and so put them up in your glasse, and take three spoonfuls of this at a time warmed when you go to bed; if the Patient be too hot put lesse, or leave quite out the Amber-greese.

For a Cough, or shortnes of breathing.

TAke a quart of running water, boyle therein a handful of unset Hysop, til it come to a pint, straine it, and put thereto a quarter of an ounce of Licoras sliced, halfe a handfull of Raisins of the sun stoned, two Figs, two Dates, sweet

Fennel-seeds, and Anniseeds halfe an ounce, boyle these til almost halfe be consumed, then let it run thorow a strainer, and sweeten the liquor with white Sugar-candy, and drink of it bloud warme first and last.

A Sirrup for a Consumption and Cough.

TAke two handfuls of Elecampane, slice it thin, boyle it in faire water halfe an houre, shifting it two or three times, then take two handfuls of Colts-foot, two handfuls of Liverwort, one of Harts-tongue, and two handfuls of Egrimony, one handful of Mayden-haire, a quarter of an handful of Mayden-hysop, an ounce of China root sliced, two ounces of Licoras sliced, a spoonfull of Anniseeds, a good handfull of Raisins of the sun stoned, foure or five Figs sliced, two spoonfuls of French-barly bruised, and boyled into two or three severall waters; put all these into a pottle of running water, boyle them until more then halfe be consumed, and strain the liquor from the drugs, and put in your Elecampane boyled before, and a pound and an halfe of Sugar, boyle it to a sirrup, and keep it in a gally-pot to your use.

For the Chine Cough.

TAke a handful of Rue and ſtamp it, then mingle it with Engliſh hony, and make it into a Conſerve, give it mornings and afternoons, and at night to bedward, as much at a time as a Nut.

Another for the ſame.

ROaſt an Egge rear, dreſſe it, and put into it as much flower of Brimſtone as will lye upon a two pence, mix it wel together, and let the Patient ſup it up every morning faſting.

For the Spleene.

TAke of Couch, or Graſſe roots, Sucory roots, and Fennel roots, of each halfe an ounce, of the Barke of Caper, and Barke of Tamariſk, each two drachms, Currans and Capers waſht from the Salt, each three drachms, boyle theſe in the belly of a Chicken, with a branch of Time, and put in the bottome of a white loafe.

For a Flux.

TAke Barke of an Oake from the Tanners, grind it to powder, and ſearce it, put it into

new milke, and boyle them very wel together, eate of this pap every morning, and what other times you please.

Another for the same, being also good for a weak back.

TAke stale bread, or ship-bisket, grate it, and put it into a quart of new milke, with a good stick of Cynomon, and a good piece of Isinglasse, boyle it to a pint, and thereof morning and evening you may take what you please.

For a weake back, or the whites.

TAke an ounce of Cynomon, an ounce of white Comphry roots, one ounce of Polipodian of the oak, three ounces of white Sugar-candy, make all these into powder, mingle them together, and take as much at a time thereof as will lye upon a six penny piece, every morning for the space of five dayes, and so likewise in the afternoon, and drink a draught of red wine within an houre after every taking.

A Plaister for the swelling of the stones.

TAke Cow-dung, and seeth the same in milke, then make a Plaister thereof, and lay it meetly hot upon the swelling.

Another

Another for the ſwelling of the ſtones.

TAke Comminſeed, Anniſeed, and Fennugreeke, of each a like portion, ſeeth them in Ale, and ſtamp them, and temper them with freſh May butter, or a little oyle Olive, and apply it to the ſore.

Another for the ſame in the beginning of the griefe.

IF there be much inflamation in the Cods, you may make an Oyntment of Planten, the yolke of an egge, and oyle of Roſes, ſtir them wel about, and apply it to the griefe twice or thrice in a day; if the pain be great, and the Patient of a good age and of ſtrong complexion; if the Premiſes will not help, make a Plaiſter after this ſort, *viz.* Take Henbane leaves a handful, Mallow leaves a handful and an halfe, ſeeth them wel in clear water, then ſtamp them and ſtir them, and with the broath, Bean-flower, Barly-flower, oyle of Roſes and Camomile ſufficient, make it up, and put it on the ſwelling lukewarme; Henbane is good (as *Avicen* ſaith) to diſſolve the hardneſs of the ſtones by a ſecret quality.

A Pultis for a ſore breaſt.

TAke new milke and white bread grated, Mallows, and red Roſe leaves, each an handful, then chop them and boyle them together til it be thick, then put in Hony and common Turpentine; ſpread it on a cloth and apply it to the ſore.

Another for the ſame.

TAke a quart of faire water, halfe a pint of oatmeale, two handfuls of Smalledge, halfe a handfull of red Nettles, boyle all theſe well together, being firſt chopt, and put in a quarter of a pound of Sheeps ſuet minced, ſtir them well on the fire, and apply part thereof as hot as the Patient can ſuffer it.

For an Ague in the breaſt, as alſo to dry up the Milke.

TAke good *Aqua vitæ*, Linſeed oyle, warme them in a diſh, and dip therein two clothes fit for the breaſts, and apply them as hot as can be endured, lay alſo a little lump of Flax tow under each Arme, being well dryed and warme, and dreſſe the breaſts therewith morning and evening.

For a ſwell'd face.

TAke Roſemary leaves, mince them, boyl them with milke and oatmeale to a Pultis, then put thereto a ſpoonful of hony, apply it as oft as there is cauſe, and as hot as the Patient can ſuffer it.

For any ordinary ſoreneſſe.

TAke a pint of Ale yeſt, three or four handfuls of groundſel. houſhold leaven as much as an egge; ſet the yeſt upon the fire, and then crum the leaven into it, and let it boyle a little while, and then put in the hearbs and the roots, and let it be boyled thick, and lay ſome of it on a cloth every morning and evening, and this will both draw, break, and heale.

For a Fiſtula.

TAke a handful of Sage, waſh it, pick and ſpread it, boyle it in a pint of milke, til it be tender, then take a penny worth of Flax ſeed, beat it to powder, and when the Sage is tender, thick the milke with the Flax-ſeed, when it is boyled put thereto a penny worth of oyl of Roſes, uſe this two or three dayes twice a day.

For

For a Felon or Boyle.

TAke halfe a pint of new milke, and put ſome grated bread into it, boyle them together, then put thereto a handful of Smalledge, as much Southernwood chopped fine, ſo boyle them to a Pultice, and when it is boyled, ſtir into it almoſt a ſpoonful of Caſtle Sope ſcraped.

For a Burn or Scald.

TAke three handfuls of the green rinds of Elder, as much green Gooſe dung, beat theſe, and boyle them a pretty while in a pound of freſh butter, ſtrain it out very hard, and keep it in an earthen pot, ſtir it til it be almoſt cold; and when you uſe it melt thereof, and anoynt the ſore with a feather, and lay a Primroſe leafe next the ſore.

Another for the ſame.

TAke Barrows greaſe, red Sage, Sengreene, chop them and boyle altogether, then ſtrain it and uſe it.

For the Mother.

TAke a great red Onion, and cut a round hole therein, and fil it with black Sope, and roaſt it in

in Embers til it be ſoft, and apply it to the Navel as hot as may be.

For the ſame.

GIve the Patient a good draught of fair water and wheat flower mingled together, bow the Patient forward, and burn Partridge feathers before them in a chafing-diſh with coals.

To cure Cornes in the feet, and the cauſe of them.

THe matter whereof Cornes are ingendred is a certain hot humour, whereof nature ſtriveth to be disburthened and diſcharged, and is properly tearmed a Callowes matter, and this humour nature endeavouring to expell, forceth it out unto the lower parts of the body, even unto the very extremity of the toes, where it cannot paſſe any further by reaſon of the hardneſſe of the skin, whereby it often ingendreth a hard tumor in the skin, which many times doth increaſe, and grow in hardneſs, cauſing ſuch pain, that it doth not only hinder their going that are troubled therewith, but alſo many times breaketh their ſleepe in the night: This kind of tumor is commonly called *Callo*, or Cornes, and infinite number of people are troubled with this Malady; and many have pre-

pretended much for the cure of them, but very few have perfectly arrived at it; they may be very well eaſed, but the perfect cure of them is ſeldome, if at all compleated; the beſt way is therefore to pare them with a ſharp knife unto the bottome, where you ſhal find a certain matter; but if you find none, pare them until the fleſh be tender, and then dreſſe it with the oyle of Sulphure, or artificial Balſome, and it will much help it; likewiſe the leaden plaiſter formerly mentioned in this booke is very profitable for eaſing Cornes, being plaiſter wiſe applyed thereto; the juyce of Houſe-leeke if it can be conveniently applyed hath been approved very effectuall for this purpoſe.

An excellent Oyntment for the Stone and Chollick.

TAke Broom-buds ready to blow clean picked from the ſtalkes, halfe a pound, and beat them very ſmal in a morter, then mix them with May butter clarified, as much as ſhal be ſufficient to make it into an Oyntment, and keep it cloſe ſtopt in a veſſel eight dayes, then ſeeth it and ſtrain it, and therewith anoint the Patient very warme evening and morning.

For

For winde or chollick in the belly.

TAke a Roſe-cake and toaſt it at the fire with vinegar thrown upon it, and lay it as hot to your belly as you may ſuffer it.

For inflamations in wounds.

TAke of the juyce of the hearb called Pimpernel, and of Sempervive, of each halfe a pound, of oyle Olive one pound, put them all into a veſſel to boyle until halfe be conſumed, then put thereto of butter foure ounces, and of Valerian halfe an ounce, and make thereof an oyntment, and uſe it as you ſee occaſion.

Againſt the ſwelling of the Leggs.

TAke the juyce of Walwort, Wax, Vinegar, and Barly meale, of each like quantity, boyle it, and make a plaiſter, and bind it upon the ſore.

An excellent Preſervative againſt the Plague.

TAke Aloes Sicatrina, Cynomon, and Mirrhe, each three drachms, Cloves, Mace, Lignum Aloes, Maſtick, Bole-armonick of each halfe a drachme,

drachme, let them be ſtamped very ſmal in a clean morter, then mingle them together, and after keep them in ſome cloſe veſſel for your uſe; take of this medecine every morning two penny weight in halfe a glaſſe of white wine, with a little Citron water, and drink it in the morning faſting betimes, when you feare any infectious ayre, and by Gods help it will defend you.

An excellent Plaiſter to diſſolve Tumors, which King Henry *the Eight uſed for the ſwelling in his Legs.*

TAke the roots of Marſh Mallows, waſh and pick them clean, then ſlit them and take out the pith, then cut them in ſmall pieces and bruiſe them, then take the quantity of a pound of them, and put them in a new earthen pot, and adde thereto of Linſeed and Fenugreeke, each two ounces bruiſed, then put thereto Malmſie and white wine, each a pint, and ſtir altogether, and let them ſtand infuſed two or three dayes, then ſet them over a fire, and ſtir it till it grow thick and ſlimy, then take it off, and ſtrain it therow a new Canvas cloth, then take oyle of Roſes a quart, and waſh it in white wine and Roſe water very well; then take the oyle clean from the water and wine, and ſet it over the fire in a braſſe pan, alwayes ſtirring it, and put thereto the powder of

Lytharge

Lytharge of Gold, and Lytharge of Silver, each eight ounces, of Ceruse six ounces, or red Corrall two ounces, of Bole Armonick and Draggons blond, each one ounce; make these into very fine powder, and searce them, then put them into the oyle over the fire, alwayes continuing your stirring it, then put in of the Mucylage made of the Mallow roots before, ten ounce, by little and little at once; and when it is boyled enough, which you shall perceive by the hardness or softness thereof; if you drop a drop of it on the bottome of a cleane pewter dish, if it be hard, take it off from the fire, and when it is neer cold make it up in roles, and keep them in Parchment for your use.

A marvelous remedy to cure the Pestilence, Carbuncles, and such like.

TAke the seed or berries of Ivy, that groweth on trees or wals, and gather the sayd berries very ripe, dry them in the shadow, and keep them in a box of wood as a precious thing; and if any be infected with the Pestilence, take of the sayd berries, and beat them to powder, and give the Patient of the sayd powder as much as will lye upon a groat in a glasse of white wine, then cover him very hot in his bed, and let him sweat very well, then let him change his shirt and the sheets if you can conveniently; some have taken of this pow-

der

der over night and been perfectly well in the morning.

How a man may preserve himselfe in time of Pestilence against infectious Ayres.

BEcause the evill humors that be in mans body, make it more apt and easie to receive the corruption and infection of the Ayre; it is good to keep the stomack and the head clean purged, not to overcharge it by eating and drinking, but abstaine from all excesse thereof, and also from all grosse meats, and to purge himselfe often gently with some easie purgation, as of Cassia, Rhabarb, Mastick pils, Aloes, or the like: It is also good to eate in your pottage things that purge the bloud, as Burrage, Bugglas, Succory, Lettice, and such like; and above all, not to keep your stomack overcharged, nor too empty, and in the morning betimes to take some of these preservative medicines as Rue, Figs, & Walnuts, which is very good against all infections, or else take some Confect, as the pill of Citron Confect, and after meales to use the seeds of Citron Confect in Sugar, which is very good against all manner of venome and poyson: And likewise at your meales to eate the white and inside of a Citron with a little Sugar, and to eate it with meat as men eate Lemmons in the morning, at noon, and night. It is also very

good

good to bath and waſh your hands, your temples, your pulſes, and your noſe with vineger roſet, or with other vineger, whereunto you may adde a little Camphire, Roſe water, *Lignum* Aloes, *Xilobalſamum*, if you can get it, if not, uſe a little Cynomon inſtead thereof: It is alwayes very good to keep ſuch kind of vineger by you in ſome viol, for to uſe it when time ſhall require, for it is a very good preſervative; and if you cannot have the vinegar compound as is preſcribed, then you may uſe vineger of compound wine; alſo it is very good to carry about you ſome good perfume, either in your Gloves, or Handkercheife, or to hang it about your neck; your houſe ought to be kept as clean as poſſible, not ſavouring of piſſe, or ſuch unſavoury ſmels; keep it ſhut, and often waſhed, and beware ye keep no foule and ſtinking clothes in your houſe, you may alſo often burn in your houſe the wood and leaves of a Bay-tree, of Roſemary, Juniper, and Cyprus, uſe it often, likewiſe Pitch, Roſin, and Olibanum, burning it in the midſt of the houſe or chamber, principally at night and in the morning: Likewiſe Orenge and Lemmon pils, Storax *calamita*, and *Labdanum*, be very good for this purpoſe. As concerning the diſpoſition of the mind, ye muſt conſider, that Sorrow, Anger, Sadneſs, or Melancholy, do corrupt the bloud and other humors, weaken the heart and ſpirits, deprave and hurt nature, therefore e-

very man ought to avoyd them as much as is possible; also if a man be over much merry, or given to pleasure, it dilateth and enlargeth the pores and passages of the seed of man and the heart, so that he is thereby the more inclined, and more apt to receive the evill ayre and venome, penetrating into his body, also a man must beware of drinking much wine; therefore it is good to use temperance and moderation in all things, and above all things let a man alwayes have a sure hope and confidence in God, ever be ready and disposed to dye when he shall please to call us, not so much esteeming this mundane or worldly life, or fearing so much death, which is no other thing then an issue or departing out of this troublesome life full of miseries and calamities, and an entrance into an ever blessed and eternall life, repleniſhed with all joy, solace, and pleasure, which God hath prepared for all them that love him through Jesus Christ.

To breake the Stone.

TAke the stones of a Cock of a year old, dry them and beat them into fine powder, and give it the party diseased to drinke in white wine; also the stones of a Colt made into powder, and drunk in white wine, is good for the same.

A very approved good exciccative Plaister for all kinds of Ulcerations, as well of the legs, as other parts of the body.

TAke of Lytharge in powder one pound, of oyle of Roses one pint, of white Wax ℥ ij. of Mirrhe and Olibanum, each ℥ i. of white wine and of Urine, of each halfe a pound, of white wine vineger a quarter of a pound, of Nightshade and Plantain, of each halfe a handfull: Put the hearbs in a morter with the vineger, and stampe them together, and wring out the juyce, and put unto it the vineger and wine aforesayd; and thus you must make your Plaister, melt your oyle and wax together in a faire pan, and let it boyle, then by little and little put in your Lytharge, alwayes stirring it, afterwards put in your juyces by little and little, keeping it stirring till you have put in all, and be sure it be well stirred that it settle not to the bottome, and so let it boyle stirring it well till the juyces be consumed; then last of all, put in your Mirrhe and Olibanum in fine powder, and stir it till it be cold; if it be too hard make it softer with oyle of Roses, if it be too soft boyle it harder according to art, &c.

The virtues of this Plaister.

THis is a speciall Plaister for all kinds of Ulcerations, and old festred sores, as well of the legs as of any other parts of the body, for it hath great virtue alterative, resolvative, and exciccative, provided alwayes the body be throughly and universally purged, as often as need shall require.

A good Cerate called Hydrelæon Galeni.

TAke of Lythargy of Silver one pound, of clear fair water, of pure oyle each two pound; the Lytharge is to be made in pure fine powder, and the other to be stirred together in a morter of stone, then boyle them on a soft and small fire of coales; the medicine should properly be made in the sun, that it be the whiter, and the fire vanishing, you must still adde fresh coales untill you have boyled these together to the thickness and substance of a Cerate, then preserve it for these uses: It doth refrigerate, and therefore is profitable in Ulcers and Tumors, for it suffereth not any humour to flow unto them, and that which is already come it expelleth, it healeth itchings of Wounds, Botches, and malignant Ulcers.

Another

Another for Rhumatick Paſſions and greene Wounds, it doth exciccate and dry.

TAke Lytharge of Silver one pound, of pure oyle, and of the beſt white wine, of each one pound, mix them and boyle them to a Cerate as the former.

A precious Oyntment good for all kind of Sciaticaes, dry itches, ſtraines of ſinews or vains, for any burning with gunpowder, ſhingles, bliſters, venoms.

TAke Organy, Mints, Time, Hyſop, Spike leaves and flowers, Wormwood, Featherfue, Orpen, Sage, Vervain, Coſtmary, Bettony, Marygold, Stems and flowers, each a good handfull, and of Valerian two good handfuls, take the tendereſt part of the leaves from the heart ſtalkes, ſtamp them very ſmall, and ſeeth them in a clean pan with two pound of Barrows greaſe finely tryed, and four ounces of Dears ſuit. ſtir it diligently the ſpace of an houre, then ſtrain it into a clean pan, let it ſtand all night, the next morning let out the water, underneath the oyntment, takeing none but the pureſt of it, ſet it on the fire again, melt it, skum it clean, put thereto foure

ounces of Deeres ſuet, then take it off, and let it ſtand all night as before, then warm it a little, and take it out on a clean boord, and cleanſe the bottome of it, and keep it for your uſe, it will laſt ſeven years.

For Aches, Bruiſes, Gouts, Stitches, Palſies, Cramps, &c.

TAke Sage, Rue, of each one pound, Wormwood and Bayes, each halfe a pound, Sheeps ſuet three pound, all theſe muſt be ſtamped together till none of the ſuet be ſeen, but all one; then put thereto of oyle olive a pottle, and worke it well together, and after put it into a fine Baſon and cover it cloſe, and let it ſtand eight dayes and then take it out altogether and breake it into a braſſe pan, making a ſoft fire under it, ſtirring it till the herbs becom crackling, and hard, and then take it off, and when it is cold ſtraine it and put to it an ounce of oyle of ſpike, and anoint the greife therewith warme.

For the falling ſickneſſe.

TAke the hinder part of a skull, beat it to powder and give it the party in Sirrup of violets aſmuch as a peaſe at a time.

To

To draw out the Ague from any ſore or in the legs.

TAke wormwood and henbane, each a handfull, ſhred them into a quart of milk, put in a handfull of red roſe leaves, and as much beaten oatemeale as will make it a pultis, a good quantity of ſwines greaſe, and when it is well boyled apply it to the ſore very hot.

For an old ſore running with thinne matter.

TAke running water and white wine vinegar each a pint, boyle them halfe away, then boyle therein a new peice of holland, thus bath with this liquor a place a hands bredth above the ſore, and lay the cloth on the ſame place; do it morning and evening.

For ſwelling in the knees or any other place that commeth of winde.

TAke a quantity of ſacke, put therein ſome roſemary and a little pepper groſely beaten, put them all into a ſtone jugge, ſtop it cloſe and let it boyle ſoftly untill halfe be conſumed, then bath the place therewith that is grieved, as hot as

may bee, then dipp a linnen ragge and binde it on the place, two or three times a day and keepe it warme.

To dissolve any knob or hard swelling.

TAke of the whitest Frankinsense, and the white of an egge, beat them to a salve, and apply it.

For the Gout, and all manner of Aches and Bruises, an Oyntment.

TAke Violet leaves and flowers, Primrose leaves and flowers, Cowslip leaves and flowers, Elder leaves and flowers, white Lilly flowers, St. *Johns* Wort, Ragwort, Mugwort, Sage, Neppe, Smalledge, Marjoram, Lavander, Southernwood, Rosemary, Rose leaves blown, Rue, Lavander-Cotton, Feathersue, Tansie, Lovage, Mints, Camomile, Time, Clary, Oake of Jerusalem, Penny-Royal, Safron of the Willow, Hyssop, Balme, white Mints, Marygolds, Pyoney leaves, Bay-leaves, Dill: Take of each of these Hearbs a handfull, and bruise them in a morter, and put them in a pan, with a pottle of sweet sallet oyle, and a quart of white wine, then set it over the fire, and let it boyle softly untill the wine be consumed, stirring it all the while, then take it from the

the fire, and let it coole, when you anoynt herewith, you muſt chafe it in by the fire, and apply next unto the place a piece of bladder, that the cloth drinke not up the oyle.

For a Ringworm in the neck.

TAke Hounds tongue, that is white and dry, ſtamp it, and put it in an earthen pot with wine untill it be thick, ſpread it, and apply it.

For the Sciatica.

TAke a quart of the oyle of Trotters, and put thereto three handfuls of Neppe, two handfuls of Camomile, boyle them all on a ſoft fire, till it be very green, then ſtrain out the Hearbs, and put into it an ounce of Ginger finely beaten and ſearced, and ſtir it together as it cooleth, and chafe the place that is grieved againſt the fire with this Oyntment both morning and evening.

For a Sore feſtred with bloud.

TAke Lithurge of Gold four ounces, oyle Olive, yong Swines greaſe, each of them two ounces, green Copperas a quarter of an ounce, Ceruſe halfe an ounce, ſeeth them altogether on the fire continually ſtirring them, and in the boyling put into

it

it three ounces of white Wax, and when it is boyled to a pure white, take it off, and ſtir it till it be cold, there anoynt your hands with oyle and worke it up in Roles, wrap it in oyled Papers, and keep it in a cloſe box.

A green Salve to heale any Sore.

TAke Bores greaſe white waſhed and well drayned halfe a pound, of the leaves and flowers of St. *Johns* Wort, and Knot-graſſe, each a handfull, of Aſhen leaves two handfuls, beat them firſt very ſmall, and then mingling them with the greaſe, beat them again, and boyle them a good ſpace, ſtirring them, then put in two ounces of yellow Wax, and a ſpoonfull of Turpentine, ſo let theſe boyle a little, and then make it up.

A Salve for a new wound.

TAke Elecompane leaves, Engliſh Tobacco, the great Orpin, *Jacobs* Ladder, of each halfe a handfull, beat theſe in a morter very fine, then put to them above halfe a pound of barrows greaſe, beat them well together, until the greaſe be very green, and then ſet them on a ſoft fire, a good ſpace, ſtirring it continually; then put to them yellow Wax and Rozen, of each one ounce, Turpentine one ſpoonfull, Camphire and Allome, of each

each a little quantity, boyle them together, then take them off and ſtrain them, &c.

A Medicine for the Ague to apply to the wriſts.

TAke nine leavs of red Sage, as much Rue, and about twenty leaves of ſtock Gilly flowers, cut all theſe very ſmall upon a trencher, then take two pieces of Calves leather, about four fingers breadth, and ſpread the ſame with Venice Turpentine, and upon the Turpentine ſpread the aforeſayd Hearbs, and upon the Hearbs you muſt ſcrape a Nutmeg, ſo lay it to the wriſts, an houre before the fit, and when you perceive the fit comeing, let the party eate a toſt, ſopped in *Aqua vitæ* and Pepper.

For the green ſickneſſe approved.

TAke one ounce of the filings of ſteele, and ſteep it four dayes in the beſt wine vineger, then ſet it before the fire to dry, and then beat it to powder, and ſearce it very ſmall; then take two ounces of Anniſeeds, and beat them, and ſearce them ſmall, and one ounce of fine Sugar, beaten and ſearced, then mingle them together, and put into it a ſpoonfull of powder of red Corrall, there muſt be thrice as much Anniſeeds and Sugar, as there

is

is steele. They must take it in a morning fasting, as much as will lye upon a knives point at three times, and as much more two houres before supper, and use some moderate exercise after it till they sweat, after this take a Purge.

A purging dyet Ale for the Dropsie, Scurvy, and to open the Liver and Spleen.

TAke Dock roots, Madder roots, Horse-Radish roots, Smalledge roots, Polipody of the Oak, *Sarsaparilla*, Caper and Tamarisk roots, of each two ounces, Egrimony, Mayden haire, Ceterack, Tamarisk, Scurvy-grasse, Brook-lime, Watercresses, green Wormwood, each one good handfull, *Sena* six ounces, Hermodactils, Mechoacan, Rhabarbe, Agarick, each one ounce, Anniseeds, sweet Fennel-seeds, Sassafrace, and Liquoras, each one ounce, Cynomon, Ginger, Mace, each halfe an ounce, put all these in a bag, with two gadds of steele, and hang it in four gallons of new Ale, letting them worke together, with a pint of the juyce of Scurvy-grasse, drinke hereof mornings and evenings.

A Drinke for the Rickets.

TAke a handfull of the barke of Ivy, as much of the barke of Ash, a good handfull of Tamarisk,

marisk, put it into two gallons of Beere, and when it is a fortnight old, let the Child drinke it with meat, and at all times for six weekes or two moneths, spring and fall; put in likewise Rhabarb one ounce sliced, to this quantity of drink.

For the Plague.

TAke three pints of Malmsey, or else Muskadine, and boyle therein Sage and Rue, each a handfull, till a pint be wasted, then strain it, and set it over the fire again, and put to it three penny worth of long Pepper, and halfe an ounce of Ginger, and a quarter of an ounce of Nutmegs, all beaten together; so let it boyle a little together, then put therein four penny worth of Mithridate, two penny worth of Treakle, and a quarter of a pint of Angelica water; take of this a spoonfull in the morning or evening, and sweat upon it, if the party be infected, it's effectuall; likewise for the small Pox, Measles, Surfets, and such like diseases.

For old Wounds, Ulcers, Cankers, Scabs, Itch, or Fistulaes.

TAke Virginia Tobacco stalkes one pound, spring water a gallon, boyle it to three pints, put it in a bottle, the longer you keep it the better;

ter; the way to use it is, to wet a Linnen cloth in the water a little warmed, and so bath wel the wound or place, and then lay the wet cloth thereon: although this medicine be but cheape and homely, make use of it, and you wil confesse it a secret worthy your acceptance.

For the Megrim.

TAke Bettony, Vervaine, Camomile, Featherfue, Wormwood, Rosemary, each alike, put them into a bag, and seeth them in white wine, and lay them to the head as hot as you can suffer it.

To procure easie delivery in women.

TAke Pippins, and cut them in thin slices, and fry them in a smal frying pan with oyle of sweet Almonds, and let them eate thereof in the mornings, and at four of the clock in the afternoon, use it constantly til you are brought to bed, and anoynt the Belly and Matrix with oyle of sweet Almonds, and *Spermaceti*, mingled together and warmed once every day, or more if you can conveniently.

An Oyntment for Rheumatick Eyes.

TAke Hogs Lard wel tryed ℥ ij. set to steep in red Rose water six houres, then wash it twelve

twelve times in white wine, wherein *Lapis Tutie* and *Lapis Caluminaris* have been quenched; then adde the *Caluminaris* and *Tutie*, being heat red hot and quencht in white wine, as before six times, *Aiæ* ℈ ij. *Lapis hæmatis* ʒ ij. Aloes twelve graines, seed Pearle prepared six graines, mix it very well together, and adde a little Fennel water, as much as shal be necessary to make it liquid enough. Anoynt the eye lids herewith, it wil take away spots, or any thing that groweth about the eyes.

For a Quinzie.

TAke *Album Græcum* in powder, and a handful of Rue beat smal, boyle them in sweet sallet oyle, til they become thick, then spread it on a cloth plaisterwise, and apply it to the sore from eare to eare.

Against the trembling of the Heart, and Convulsion fits.

TAke powder of Gold one penny worth, six penny weight of Amber, six penny weight of Pearle, six penny weight of Corrall, Bezoar five grains, halfe an ounce of Pioney root, twelve penny weight of the skul of an Anatomy; make them all into powder, take as much as wil lie on a six pence in a spoonful of endive water every morning,

morning, and drinke a good draught after it.

To boyle Turpentine, for the running of the Reynes.

FIrst wash it, then boyle it in Plantane, or red Rose water, til it come to the consistence of Wax, then make it into pils, whereof take three or four when you go to bed.

To prevent miscarrying, and stop the Reds.

TAke Clarret wine a quart, Mouseare, Shepheards purse, *Ana M.* 1. boyle it all together with a stick of Cynomon, and sweeten it with Sugar, and drink a draught often warme.

To stay vomiting bloud by reason of an inward bruise.

QUench steele in milk, and drink it often, and take *Sperma Ceti* in any warm drink once or twice.

To breake a Boyle or Felon.

TAke a great Onion, cut off the top, and take so much out of it as you may fil it up with halfe a spoonful of Treacle, and cover it with the piece again, bind it with a thread and roast it in the

the Embers in a brown paper, and when it is roaſted, breake it and mingle it together, and apply it to the Boyle or Sore which you would have broken.

For a Child broken in the belly.

TAke Polipody of the wall, Juniper Berries, Comphrey roots, the skin of the yolke of an egge, dry all theſe, and beat them to powder, then put therein a pint of good Ale, and give it every morning.

For the falling ſickneſſe.

TAke Gold, Pearle, Corrall, Bezoar, and Amber, *ana* ℈ 4. ſingle Pioney ſeeds as much, and ſingle Pioney roots a like quantity, in powder, and take as much of the powder as will lie on a groat, in a ſpoonfull of white endive water, every morning faſting, until a quarter of a pint of water be in ſuch manner ſpent.

For the Collick.

TAke Figs good ſtore, and new Muſtard made with Vinegar, ſtamp them wel together, and put them into a linnen bag, and as hot as you can ſuffer it lay it on, and hold it to the Navel and Belly.

For bleeding at Noſe.

TAke Hempe, or a hempen halter, and weare it about your neck.

A Water to take away Wheales, Puſhes, Kernels, Swellings, Bunches, and warts.

TAke oyle of bay two pound, white Frankinſenſe, Maſtick, Gum Arabick, and Turpentine, each ℥ iij. beat the Maſtick, Gum, and Frankinſenſe, then mingle them altogether, diſtill them in a Limbeck; and after put into that water halfe a pound of the Aſhes of Earth burned, and then diſtill it again, and keep it as a treaſure to beſtow on your beſt friends.

A Water for the head ach, and to cauſe reſt in weakneſs, or childbed women.

TAke Primroſe leaves, and Wood Bettony, each *M.* i. ſteepe them twelve houres in as much new milke as wil cover them; then ſtil them together, then ſteep in this water two good handfuls of Cowſlip flowers, and one good handful of Violet flowers, and one good handful of annſet Hyſop; ſo let it ſtand four houres, then ſtil it altogether, and give ſix or eight ſpoonfuls at a time,

time, warme with a little Sugar.

An Oyntment to ſwage a ſwelled ſore Breaſt, or any other ſwelling.

TAke Egremony and boyle it in Butter, or Hogs Lard, to an Oyntment, and therewith anoynt the ſwelled breaſt; alſo Egremony boyled in milke, and thicked up with bread and a little honey put into it, and layd to the breaſt, aſſwages a hard ſwelled breaſt.

For bleeding Gums.

TAke the thin ſhaving of a piece of Spaniſh Leather, and hold between the Gums, ſtayes it.

For the dead Palſie.

TAke foure penny worth of the horne that groweth in the inſide of a horſe knee, dryed and beat to powder; give it with two ſpoonfuls of the juyce of the green leaves of Perewinckles in a fit, and let them drinke a draught of Sack after it, and ſweat, do this every other day for three dayes, and tie the ſtrings of the Perewinckle about the dead member, and ſhift them every other day; theſe ſtrings cure the cramp, being tyed on the grieved place.

For the Gout ſtitches, and to open obſtructions, moſt excellent.

℞. Halfe a pound of red Sanders, and ſteep it in a pint and a halfe of white wine, let it ſteep all night, the next morning ſtrain it and drink it; do this two or three dayes together, then forbeare it as long; after take it againe, in halfe a ſcore times taking, it hath cured thoſe of the Gout, which for three years together have not been able to go; it doth worke upwards and downwards, and wil for a little time make them ſick, but is moſt harmleſs.

For a Plurifie of winde.

TAke Horſe-dung, Camomile, and Parſley fryed with Butter and Vineger, and apply it hot as may be ſuffered, divers times, or wet Rye meale in the parties water, and make a Cake of it; ſlit the Cake in the middle, and ſpread it with London Treacle, and apply it to the ſide.

For the Wind, Mother, or Convulſions.

TAke Corral, Amber, and Jet, *ana* like weight, beat them into fine powder, take the quantity of an Hazel Nut, and put it into a ſpoone with ſome Caudle or Broth; take two or three ſpoon-

ſpoonfuls in a morning, and eat not in two or three houres after.

A ſoveraigne Water for old Vlcers.

TAke two penny worth of pure white Copperas, put into it a pint of pure Spring water, ſet it on a ſoft fire, that it may only ſimper, take off the ſcum with a Feather; ſo ſoon as the Copperas is diſſolved take it off, and put it into a glaſſe, or ſtone bottle, the longer it is kept the better it wil be.

Uſe this defenſive Plaiſter.

BOle Armonick, the white of an Egge, and white wine Vineger, and to keep the Orifice open, put into it Gentian Wood.

For heat in the Back.

TAke juyce of Lemmons and Vineger, and dip a cloth in it, and apply it to the back oftentimes.

For the head ach.

TAke oyle of Wormwood, ſtrong Vineger, and Roſe water, and mingle them together, and boyle them, and lay them as hot as you may ſuffer it.

To dry up a ſore that iſſues with water.

TAke Ale or Beer, and boyle in it Sage til it be ſtrong, then put in a ſmal quantity of Allome and Hony, and bath the part ill affected, and lay of the Sage leaves that were boyled on the ſore place.

For the Mother.

TAke about Michaelmas time the ripeſt and rankeſt Nettle ſeeds you can get, dry them in the Sun, or in an Oven, and ſo keep them cloſe in a paper, and when the Patient feeles the Mother to riſe, take a ſpoon heaped of theſe ſeeds beat in a morter, in white wine or Beer, and let them drink it.

For the Piles.

℞. White Starch in powder, and put on the Piles, or a great Onyon roſt it, ſpread it flat, and ſpread it over with Mithridate, and apply it warm.

For the Rickets.

TAke ſallet Oyle one pint, Cammomile with the flowers three handfulls, ſtrip it from the ſtalkes, boyle one handfull firſt, in the Oyle and take it up, then the ſecond and the third, then put the

the Cammomile into a bags; and anoint the ſides ſtriking it downwards with the Oyle, then lay on the bags warme, anoint it twice a day where the knots are, and lay ſpeedewell in their drinke continually, then take a purge of Rhabarb, five or ſixe graines in powder, in poſſet uſe it nine dayes together, then ceaſe a fortnight and uſe it againe.

An oyntment for the Rickets.

TAke Roſemary, Bayleaves, Cammomile, tops of Lavender, Alehoof, unſet Hiſop, unſet time *aua* M r. ſhred together; and beate in a morter and boyled together in a pound of freſh butter an houre, then ſtraine it out, and with this anoynt the Child, his ſides, knees, and downe to his feet, Evening and Morning, a quarter of an houre, this muſt be made in May. Take cloves of Fox ferne root *alias oſmond* bruiſed and boyled in milke, take it in the morning faſting, and faſt an houre after it, and make the root in powder and give it in Beere.

Sirrup for the Rickets.

TAke running water, one quart, Mayden haire, Sage of Ieruſalem, Coltsfoot each one ounce, Licoras ſliced, Anniſeeds bruiſed, *aua*, halfe an ounce, boyle all theſe to the halfe, then ſtraine it, put to it fine Sugar, a pound and a half, pearle pre-

pared ℥ iij boyle altogether, then ſtraine it and give your Childe one ſpoonefull firſt and laſt.

Pils to ſtay vomitting and cleanſe the ſtomacke.

TAke Alloes *Siccatrina*, adde to it Nutmeg grated, two or three drops of Sallet Oyle, as much *Aquavitæ*, and a little Sirrup of Roſes when it is diſſolved together, put a droppe of Oyle on your fingers, make it in Pils, whereof take two in a morning.

The Palſie oyle to make to anoynt twice a day for any ach or benummedneſs.

TAke Neats-foot oyle, Roſemary tops, ſweet Marjoram, of each two handfuls, Lavander tops or leaves, before it ſhoot to blow two handfuls, red Sage, Camomile, Wormwood, Time, and Hyſop, each one handful, chop them ſmal and put them to the oyle, and let them boyle apace til the Hearbs be changed, and the Oyntment of a fair green colour, then ſtrain it out, and keep it in a Glaſſe cloſe ſtopt for uſe, it wil laſt ſeven yeares in its ful force and vertue; if you cannot have the Lavander green when you would uſe it, you may take it dry, and likewiſe the other hearbs, but then you muſt take the greater quantity; I made this Oyntment at Michaelmas laſt, for one who

was

was ſuddainly ſtroken in her limbs, ſo that ſhe was not able to ſtand, and was afflicted with violent pain; it was on the Sabboth day ſhe was taken about ten in the morning, I prepared the Medicine by two in the afternoon, wherewith ſhe was anoynted, and (by Gods bleſſing) was very wel by night, and ſo hath continued. Δόξα τῷ Θεῷ It was at *Wokingham*, where I was unprovided of the Hearbs, in my own Garden, where I had not much reſidence (though too long for my purſe) and I was enforced to buy them at a Gardners, who ſhewed me an exact *Wokingham* conſcience, and as moſt of that Town do, he made a vertue of my urgent neceſſity, and made me pay ſawce for my Hearbs, although you would judge them but of ſmal price; this I record here, only to learn others to beware of *Wokingham*, leſt they pay for it as deare as I have done.

For the Stone in the Kidneyes, and them that make bloudy water.

TAke milke and make a clear Poſſet, wherein boyle a handful of Plantain, a ſtick or two of Licoras, a ſlice or two of Comphrey root, drinke thereof firſt and laſt, and ſometimes drinke the juce of Plantain by it ſelfe, or in Beer. Take alſo Pils of Turpentine waſht in Plantain water, and made up in Pils with Gum Arabick, and wrapt up

in

in Sugar or Conserve of Roses, and swallowed.

For a Burn or Scald.

TAke thorne Apple leaves, stampe them or cut them smal, and boyle them in Hogs Lard to an Oyntment. *Probatum.*

Jay powder for the falling sickness.

TAke a Jay, pul off the Feathers, then take out the guts, and fil it ful with Comminseeds and Anniseeds, and then bake it til it is dry to beat to powder, with the head on and legs, drinke this in Porrage or Ale.

Flos Unguentorum, *or the flower of Oyntments.*

TAke Rozen, Perozen, each halfe a pound, *Olibanum*, Deeres-suet, or Sheeps suet, and white Wax, of each four ounces, Mastick and Mirrhe, of each an ounce, Venice Turpentine two ounces, white wine a pottle; your Wax and Suet being finely shred, must be first molten upon a soft fire, then put in your Rozen and Perozen, and stir them wel til they be melted, then strain the stuffe into a hot pan, then have ready your *Olibanum*, Mastick, and Mirrhe, ground smal and finely searced, and let

let it all melt together, your white wine being something warm, poure in by little and little, then take it from the fire, and put in the Turpentine, and stir it, and last of all the Camphire in powder, and stir it til it be cold, and make it up in Roles, and keepe it in red Leather to your use, as the best and most precious Salve that can be made.

The Virtues of it.

THis Medicine is good for all manner of Diseases, following, *viz.* for all wounds, and it is most cleansing, and wel soken, and gendreth flesh, and suffereth no corruption in a wound, nor no evil flesh to be gendred therein; it is good for the head ach, and singings in the brain, for all manner of Impostumes, for sounding in the eares, and for sinews that are sprung or cut, and draweth out a broken bone, or thorne, or any thing that is in a wound; it is good for biting or stinging of a venemous Beast, and it healeth all manner of Botches without, it is good for a Fester, Canker, *noli me tangere*, it draweth out all ach of the Liver, Spleen, or Reines, healeth the Emrods, and is a good Seare-cloth for Gouts, and pestilent Diseases.

The

The manner how to cut the Plaiſters of this Medicine to cure theſe Diſeaſes under written, viz.

For the Navell three inches ſquare, to ſtay the Flux of the Belly.

For the Reines ſix inches long, four inches broad, to ſtay the Flux of the Reynes.

For the Stomack four inches broad, ſix inches deep, it muſt be cut three ſquare, for wind or pain in the ſtomack.

For ſhortneſſe of breath or Ptiſike,

TAke eight or nine heads of Garlicke, according to the conſtitution of the party, peele and cut off both the ends of each Clove, and put it into a pipkin; with a quarter of a pound of butter unſalted, boyle it untill the Garlicke turn red, then run it thorow ſuch a thing as a milke ſtrainer, then put it into a pipkin: againe, with a quarter of a pound of butter more unſalted, and the beſt honey one pound, boyle it till the skim is wel riſen, then take it off and skimme it, and ſtrow in an ounce of the powder of Elecompane roots, thē let it boyle three or foure walmes, take it off the fire, and ſtirre in the powder of ſix penny-worth of ſaffron, from the firſt to the laſt, you muſt ſtirre it

it while it is boyling except the time, while the skim of the honey is riſing, eate the quantity of a ſmall nutmeg hereof, evening and morning.

For ſcabs in Childrens heads.

TAke freſh butter, and boyle in it ſoote of a Chimney (where is no Seacole burned) till it be blacke, and therewith anoynt the head, it will heale it though there be holes you may turne your finger in the head.

For a ſwellyng or bruiſe.

TAke Elder ſtampt and fryed with Chamberly, and freſh buttr, and layd all over it, taketh away a ſwelling or bruiſe.

For the Lungs, and Gonorrhea.

TAke Crawfiſhes, and boyle them in milk, and eate them, and drinke the milke firſt and laſt, and in the afternoone ſweetned with Sugar.

For a perrillus Cough.

TAke Sage, Rue, Commin, and powder of pepper and ſeeth them in honey; and make thereof an electuary and uſe thereof a ſpoonfull, evening

evening and morning.

Stinging of an adder or ſnake.

DRinke the diſtilled water of Draggons, or the juyce, alſo ſtampe dragons and lay to the place. &c.

To procure eaſie delivery.

TAke Hyſop, Vervaine, and betony, of each one handfull, ſtampe them very ſmall, and ſtraine them in good ſtale Ale; and let the Patient drinke a good draught thereof, and it will helpe her preſently without danger.

To heale a ſcald or burne.

TAke barley meale, with the Juice of red fennel, make a plaiſter thereof and lay it on the ſore, and it will draw out the corruption and heale it.

Flux of Bloud to ſtay.

TAke Willow leaves and barke, and boyle it in wine, and drink it.

For

For noyſe in the eares, or tongue ſwelled.

BOyle Figs in Water, and let the Patient drinke thereof.

To purge the head with Ceny.

TAke Cene in powder ℥ i. Ginger ℥ i. twelve Cloves, Fennel ſeeds ℥ ij. Cinamon, & tartar, each halfe a drachme, beate them all into powder, take thereof in white-wine a drachme before ſupper.

For itch, ſcabs, and the like.

TAke fumitory and boyle it in a quart of ale, then infuſe in it, Sena. ounce, Raiſins of the Sun ſtoned, Anniſeeds bruiſed, and a little ginger, drinke it with ſirrup of Roſes.

A Balſome for wounds, ſwellings, venom, bitings, and Apoſtumations, old ſores, fretting ulcers. &c.

TAke Oyle olive one quart, St. Iohns-wort, betony, Centory and ſelfe heale, each two handfulls, ſtampe them and mixe them well, and ſo let it ſtill in a glaſſe all Summer, and then ſtraine the Oyle from the hearbs and ſoe keepe it

for

for use: Adde to it Tobacco flowers.

To heale watring Eyes.

TAke red Rose water, two ounces, and put it into a bowle glasse, then take male Frankinsense, put it on the point of a Knife into a Candle of Virgins Wax, untill it begin to melt, then still dip it in the water, at least a hundred times, untill it turn thick, like Balm, distrain it through a fine linnen cloth, and anoynt your eyes therewith.

To expell Rheume in the face.

TAke the white of an Egge beat to an Oyle, and skimmed, then temper it with the Wool of a Conies skin to a plaister, warm it on coales, and apply it to the temples, and the grieved place, and bind it on fast with a cloth.

For the Chollick, or griping in the belly.

TAke the seed of *Cardans benedictus* stamped and drunke in Posset Ale, or any other drinke, doth help the griefe.

For the Passion of the Heart.

TAke juyce of Bugloss two onnces, cleanse and purifie it at the fire, mix it with two drachms,

drachms, of white Sugar-Candy, and let the Patient drinke it every night going to bed ten nights together.

To purge choller.

TAke ſirrup of Violets with Agarick infuſed in Barly water, or broth of a Hen.

A Purge for the Kings Evill.

TAke *Lignum vitæ* four ounces, infuſe it in Embers in four quarts of ſpring water twenty four houres, then adde to it Polipodian foure ounces, *Senna* two ounces, Anniſeeds and ſweet Fennel ſeeds, *ana* halfe an ounce. Burrage, Bugglos, and Fox-Gloves, each a handfull, boyle it away to the halfe, then give four or five ſpoonfuls to a childe every morning for eight dayes together ſweetned with Sugar.

For the Dropſie.

TAke Broome, Bettony, Balme, *ana* three handfuls, put it into three gallons of Ale Wort, when it is ready to be ſtopt up; let it ſtand a weeke, and then drink it conſtantly a weeke together, or a fortnight.

An excellent Medicine for the Dropsie.

TAke Horse-Radish roots sliced long wayes thin, two ounces, sweet Fennel-seeds bruised ℥ ij. Smalledge and Fennel roots sliced, each one ounce, the tops of Time, Winter Savory, sweet Marjoram, Water Cresses, Nettles, of each one handfull; boyle these in three pints of water and three pints of wine, a quart of Canary, and a pint of Muskadine close covered till halfe be consumed; so remove it from the fire and let it settle three houres, then strain it, and into every draught put in an ounce of sirrup of the five roots, it must be taken twice a day, in the morning, and at three in the afternoon, and fast an houre after it; if the Patient have the scurvy also, adde to the draughts two spoonfuls of the juyce of scurvy grasse, when the Patient is ready to drink it.

The Oyntment for the Dropsie.

TAke Walwort, and Elder leaves, sweet Marjoram, and Water Cresses, Penny Royal, each one handfull cut and bruised, and set them to seeth in a quart of sweet sallet oyle, halfe an houre, then let them stand in the vessell three dayes, then again heat them and strain it hard out, and put into it as many more of the sayd Hearbs, and seeth them

as

as before, and ſtraine it; do ſo the third time, and keep it as an excellent Ointment; let the ſwoln body be annointed therewith once in three dayes, and that in the morning by a good fire, ſtroking it downwards an houre together.

For a ſore breaſt in great anguiſh.

TAke Dung of Geeſe the newelt you can get, and the like of Doves, and a little Leaven, and a little Time; ſtamp them together, and lay them to the breaſt.

For a Bruiſe.

TAke Red-Nettles, and a quantity of Bay-ſalt, bruiſe them together, and lay them to the ſore, or bruiſe: this muſt be applied incontinently after one is bruiſed, and often changed, it will aſſwage the paine, and heale the bruiſe.

To ſtay bleeding at the Noſe.

TAke the bone in a Carps head, and beat it to powder, and take a little of the bloud of the party, and beat it to powder, then mingle it together, and put it in a little Ale or Beer, and let them drink it once or twice.

For the same.

LEt the Patient drink Wine-vinegar, and dip a Napkin in Wine-vinegar, and apply to his privy Members.

For a cold Stomack, and hot Liver.

TAke halfe a pinte of White-wine, asmuch Fumitory water, let them halfe one walme together, and sweeten it with Syrrup of Violets, take of it as you see cause.

For the Falling-sickness.

TAke Piony roots in Powder, in Ale, drink it hot a morning and evening, take the Jay-powder also in Porrage, and drink Ale before it.

An excellent Oyntment for the Spleene, or Spraine, or for winde, or Stitch in the side, & good for any inward bruise, to annoynt outwardly.

An old Judge going off his Horse back, broke a veine, and spit bloud, and pist bloud, and this oyntment cured him, by annoynting him.

Take

TAke S. Johns wort two handfuls, ſweet Marjoram, Sweet Bazil, Mints, or Speremints, Flowers of Lavender ſpike, and red Roſe leaves, each one handfull, Mudlin and wild Time, each halfe a handfull, compound them well together in a ſtone Mortar, then put into them a pinte of the beſt Sallet Oyle, in a veſſell cloſe ſtopt, and ſet it in a place where it may have moderate heat fourteen dayes, then ſtrain it and put into it halfe a pinte of Malmſey, Nutmegs halfe an ounce, large Mace halfe an ounce, and a pretty quantity of Cynamon, boyle all theſe together till the liquor be nigh halfe ſpent, and ſtraine it out, and ſo uſe it.

For paine in the Head.

CHew Mace in your mouth, and hold it that the Fume may aſcend, and ſmell to Spikenard.

For the ſame.

TAke Vervaine, Vinegar, and Honey, mingle them well together, and drinke it often times faſting.

For the Megrim.

SEeth a little quantity of Aloes and Maſtick in white Wine, and drink thereof.

Againſt Drunkenneſſe.

TAke before you drink twelve ſpoonfuls of Betony Water, and after drinke as much as you will.

For a worme in the Somack.

TAke Nepp, ſtamp it and mingle it with white Wine, and give the Patient when he is grieved.

For ſcalding, burning, itch, ſcabs, ſcald head, or any heat.

TAke butter unwaſht, melt it ſcalding hot, then powre it into faire ſpring water, and with a ſpoone labour it and waſh it, untill the butter grow cold, then gather the butter together, and powre out that water, and put freſh water to the butter, till you finde the butter very white, then worke the water out of the butter, then worke in the powder of brimſtone finely beaten, untill the butter be ſtiffe, and looks yellow with it, then take Camphire, and the ſeed of Pompeyons clean picked and husked, grinde the Camphire and them together, and worke it to the butter, and ſo uſe it; but if you will skin any burne with it, adde to it the powder of a rotten poſt, elſe not.

For

For the Piles approved.

TAke a little piece of ſcarlet and burne it, and beat it to powder, and ſearce it, and put to it a little Honey, and annoint the party therewith, alſo take Horehound, and Hagtaper in powder faſting foure or five mornings together.

For a Chin-cough.

TAke the Barre of an Eglantine tree, and dry it in powder, and drink it in poſſit drinke.

The moſt excellent Plaiſter, called Leaden Plaiſter.

TAke two pound and four ounces of Oyle-olive the beſt, good red Lead 1 lb. white Lead 1 lb. beaten to daſt, Spaniſh Sope ℥ xij. incorporate them in an earthen pot, and when the Sope commeth upward, put it upon a ſmall fire of coales, continuing it an houre and an halfe ſtirring it with an iron or ſtick, then drop of it upon a trencher, if it cleave not it is enough, ſpread it on cloaths, or lay it on a board till it cooles, then rowle it up, it will laſt twenty yeares, the older the better.

The Vertues of this Plaister.

THe same laid on the stomack provokes appetite, and takes away any griefe in the stomack, it is a present remedy for the Collick, being laid on the belly, and upon the back it's good for the bloudy Flux, Gonorrhea, and all weakness in the back; for Women with child to weare all the time they are with childe, if they finde any weakneſſe; it healeth all swellings, bruises, and aches; it breaks Felons, Pushes, and other Impostumes, and healeth the same, draweth out any rotten humour, not breaking the skin, and applyed to the Fundament, healeth any disease there growing; the same laid to the temples is good for the Evelo, head-ach, and the eyes, easeth Corns, the Gowt, and for a straine. *Probatum.*

For a bruise on the Stones.

TAke mud of a Grind-stone, and Oyle of Roses tempered together, and spread on a cloath, and apply it to the place grieved.

For the Dropsie.

TAke Hysope, Thime, Water-cresses, and Calamint, each two handfuls, Fennell one handfull,

full, Raddiſh roots foure or five taken out of the ground freſh, and ſlice them thin, Licoras, Anniſeeds, and Comminſeeds, each two ounces, boyle all theſe together in a pan or pot, with the quantity of three Gallons of faire running water, till a third part be conſumed. then put in a pottle of Sack, ſtrain it all through a linnen cloath, then put it into a glaſſe or ſtone bottle, cloſe ſtopt, drink of it every morning, and at foure of the clock in the afternoone, and as you find good of it, continue it.

To coole the Liver.

TAke Barley water, caſt away the firſt, and in the ſecõd boyle Cinquefoil, Burnet, Strawberryleaves, Burrage, Sorrell, Egrimony, each one handfull, boyle it from a Pottle to three pintes and ſomething more, ſtraine it, and adde to it two ſpoonfuls of Syrrup of Violets, and one ſpoonfull of Roſe-water, drinke it morning and evening, it cooles the Liver, and makes the body ſoluble.

For diſplacing the Mother, or Whites with a Serringe.

TAke Cynamon bruiſed one ounce, Pomegranate flowers halfe an ounce, red Roſe leaves a quarter of an ounce, boyle theſe in a pinte and a halfe of red Roſe water, till halfe be conſumed, then

then adde red Wine halfe a pinte, and ſtraine it for your uſe.

A Receipt of pills.

TAke white Amber, maſtick, each one drachme, Aloes the beſt, two drachmes and a halfe, agarick two ſcruples, *Ariſtolochia* the round and true, one ſcruple, make them all in fine powder, and with a little Iuyce of Bettony or ſirrup make them in pils, make five of a drachme and take two three or five going to bed.

The virtue of theſe pills.

THey preſerve the ſtomack from inward hurt, and ſuffer no ill humors to putrifie in it, for they cleanſe, mundifie, and ſtrengthen the heart, ſtomack and head, make the party cheerefull, they purge the veines, and matrix, and helpe the eyes, they are ſafe without any danger.

For a ſore throat.

TAke plantaine, and boyle it in running water to a pultis, and clap it hot to the throat with a cloth, this cured one that could hardly ſpeak, ſcarce ſwallow, and made him avoyde peeces of ſtinking fleſh out of his throat.

An

An oyntment for a joynt Ague.

TAke Colewort leaves, chopt and boyled in butter to an oyntment, ſtraine it and anoynt the place ill therewith, or boyle Ale to an oyntment and anoynt the place with it, the ſame is good for Chilblanes.

To skin nipples.

TAke yong Bayleaves, bruiſed and layd on the nipples, skinnes them; alſo *Unguentum Album* is good for the ſame.

For the ſame.

TAke pure fine Sugar, and burnt allum and plantaine water, and a little red Roſe water, boyle altogether to a ſirrup, dip fine ragges in it and lay about the nipples till it be whole, likewiſe take butter and wax, and lay it on the nipples being melted together.

Unguentum Album, *to make.*

TAke hogs Lard and waſh it in Plantaine water or red Roſe water, and mingle them together with white Ceris and white leade.

A

A gargle for the throat for flegme.

TAke Muſtard a ſpoonefull, three or foure ſpoonfull of white Wine, mingle them together, uſe it every morning for flegme, likewiſe Vineger and Water is good for the ſame; but if it bee for the Palſey, take Muſtard, white Wine, Vineger and Honey, and gargle at night going to bed warme.

For the Morphew.

TAke Pippins, and Elder berries baked together, or you may ſtill it, and drinke the water, becauſe you cannot have the berries at all times.

To help fainting fits in lying in.

BOyle Harts horne and Safron in Ale or Beere, and put a little Sugar to it, and drinke it, adde to it a little winter Savory.

For the Palſey, and to ſtay Rhume.

TAke a quart of Ale, boyle in it Lavender, and put to it a little butter and Sugar, this drinke morning and evening.

For

For the Yellow Jaundies moſt excellent in great extremity.

TAke Engliſh Safron two penny worth in fine powder, two penny worth of Turmerick in powder, and two penny worth of Mace in powder, mingle it with as much fine Sugar as you like to your taſte, eat every morning and evening as much in the pap of an apple as three Nuts, if you take a purge of Rhabarb after, it is good, or uſe Rhabarb in powder with the reſt.

For one that piſſes bloud.

TAke Oyle of ſweet Almonds new drawn, and put a litte fine Sugar into it, or white Sugar-candy, and take of it firſt and laſt, likewiſe Turpentine waſht in Plantaine water, and made up in Pills, with red Roſe leaves, and a little Corrall; firſt purge the Reines with Caſſia and Rhabarb.

A Clyſter for the bloudy Flux.

TAke three pints of skimmed milk, put it in a Baſon, then take three gags of Steele, and heate them red hot, and quench them in the milke 3 times, then take a ſpoonfull of old conſerve of red Roſes, beat it into the milke, and then take

the

the yolke of one egge and beate it and ſtirre it into the milke, then ſtraine it and give aſmuch as will agree with the conſtitution of the partye.

An approved Searecloth for aches.

TAke Burgundy pitch, halfe a pounde, white Virgins wax one quarter of a pound, white Frankinſenſe, two ounces, let the Frankinſenſe be beaten, and ſearced very ſmall, then take the wax and the pitch and melt them, in two ſeverall pipkins, and when they are melted powre the wax into the pitch, then ſtrew in the Frankinſenſe, ſtirr them well together, powre all into a baſon of faire water and worke it up into Rowels, with your hands anoynted with butter for ſticking.

To comfort the hart.

TAke two handfulls of Burrage leaves, and two handfulls of Bugloſſe, one handfull of white Endive, halfe a handfull of Roſemary, halfe a handfull of time, aſmuch of Savory and Hiſope, boyle all theſe in three pints of faire Water till halfe be waſted, then put in one pound and an half of Sugar, and a few whole Cloves, halfe an ounce of Cynomon, a quarter of an ounce of Ginger, finely beaten, then boyle it till it come to the thickeneſſe of life Honey, and ſo reſerve it in gal-

ley

ley pots: and take aſmuch as a Haſell nut every morning and when you pleaſe.

For a Conſumption.

TAke a fat ſow Pigge, dreſſe it, and put it into a ſtill, with a handfull of Speeremints, aſmuch red Fenell, and as much red Nepp, Liverwort, and Clary, each halfe a handfull and new Oates, new dates the Stones and pith taken out and well waſhed in two or three waters, halfe a quarter of an ounce of Mace, two ſticks of Cynomon bruiſed; diſtill altogether with an eaſie fire, and put it in a ſure glaſſe, and ſunne it nine dayes and drinke of it at your pleaſure For the winde or gripings in the belly, take Anniſeeds, ſweet Fennell ſeeds each one ſpoonefull, Licoris, Pepper, Elecompane roots, each one drachm, a ſmall quantity of Saffron all in powder, a quarter of an ounce of nutmegs grated, two grains of muſk, waigh all theſe ingredients together, and put to them their double weight of fine Sugar then incorporate them with aſmuch damaske Roſe water as will make them liquid; then put it up in a Galley Pot and take a ſmall quantity therof, on the point of a knife in the morning or at any other time when the winde offends you, it muſt be tempered cold and not boyled.

For a ſcald head.

TAke a penny worth of lampe Oyle, and halfe a pint of faire water, and boyle it well together, and when it is cold, put thereto a halfe penny worth of quickſilver, and temper it well together, and anoint the head.

For the black Jaundies.

TAke Gentian, long Pepper, Calamus Aromaticus, Avenus, Lycoris, Rayſins, Corants, white Spaniſh Sope, of each three ounces, two ſpoonfulls of muſtard, boyle all theſe in a quart of wine till the third part be waſted, and let the Patient drinke it.

For St. Anthonies fire.

TAke and roſt Sorrell in a wet linnen cloth, the ſpace of halfe an houre underthe hot embers, hen ſtamp it with fine Clarified Honey, and lay it to the ſore, it ill heale it perfectly.

Of

Of the twelve Signes.

The division, nature, and expositions of the twelve signes of the Zodiack, *according to the twelve months in the yeare.*

THE Ancients have given the Signes of Heaven certain names of living Creatures and briefe Characters, to prevent tediousnesse in the often writing of them; they are Charactered thus:

♈ ♉ ♊ ♋ ♌ ♍
♎ ♏ ♐ ♑ ♒ ♓

These twelve Signes are divided into four parts, according to the foure quarters of the yeare; the three first Signes containe the Vernall, or Spring Quarter, and the sanguine Complexion of man.

The 4. 5. & 6. Signes, the Summer Quarter, and is hot and dry of the Chollerick Complexion.

The seven eight and nine Signes containe the Autumnall or Harvest Quarter, and is cold and dry of the Melancholly Complexion.

The three last or ten eleaven and twelve Signes containe the Brumall, Hiemall, or winter Quarter,

& of the flegmatique complexion Cold and moist.

Aries, or the Ram is the first of all the Signes, it is Masculine, Diurnall, Chollerick, Fiery, and Hot, and by peculiar property dry, by his heate and quickning preserving life, fit for the nourishment of all things Animall and Vegetable, he is Moveable, equinoctiall, Vernall, of the fiery Triplicity, Orientall and the Diurnall house of ♂, he ruleth the head and face, the moneth of March, wherein it is good to let bloud, and purge. Vnder this Signe falleth head-each, Small-Pox, Megrims, falling Sickneſſe, and all diseases of the head.

The second signe is Taurus, or the Bull, which is Melancholly, Cold, and Dry, Feminine, Nocturnall of the earthly Triplicity, is Temperate, Profitable to the earth and Flowers, it is Meridionall and the night house of Venus, it ruleth the Neck and Throat, the moneth of Aprill, in which it is perrilous to have sickneſſe in the Throat, as the Kings Evill, Wenns, Boyles, Quinsies and Impostumes.

Third Signe is Geminy, which is hot and moist, affecting the Aire with temperature, comforting nature, producing the seeds to fruits, it is a Signe Sanguine, Masculine, Diurnall, Occidentall, double bodied, Dexter Common, and aireall, the day house of Mercury, of the Airy Triplicity, he ruleth the moneth of May, wherein it is indifferent to let bloud and take Physicke, he signifies all diseases

in the ſhoulders Armes, and hands, and deſcribes a man to be upright and tall, of a Sanguine Complexion, darke haire, a good ſight, a ſharp wit and judicious underſtanding.

The forth Signe is Cancer or the Crabbe, cold and moiſt, Temperate, apt for the nutrition of nature, having a comfortable humidity and temperature, whereby all things both Animall and Vegetable doe live and are maintained, it's a Signe Feminine, Nocturnall, Moveable, Solſtitiall, and northerne, of the watery triplicity, the houſe of the Moone. It hath the moneth of June, ill to take Phyſicke or let bloud unleſſe neceſſity require, it ruleth the breaſt, ſtomacke, ribs, and ſpleene, ſignifies imperfections in the ſtomack, ptiſicke, ſalt flegme, dropſies, impoſtumes and Cancers in the breaſt, renders a man to be of a ſmall, low ſtature, round viſage, ſickely, pale, melancholly complexion, the haire a ſad browne, little eyes, if a woman, apt to have many Children.

The firſt ſigne is Leo, or the Lyon, by nature hot, chollerick, of the fiery triplicity, ſo farr from temperature, that with it, nature beginneth to move the diminution of the leaves of the trees, and abatement of fruits tending to their decay, it is maſculine, diurnall and orientall, the onely houſe of the Sun, it hath the moneth of July, rules the back, ſinewes, bones, and griſtles, and ſignifies the diſeaſes thereof, as trembling and paſſions of the

heart, peſtilent feavers, the plague, and paines in the backe, and pluriſies; it repreſents perſons of large bodies, broad ſhoulders, ſomething tall ſtature, great head, big goggle eyes, yellow or darke flaxen haire, curling, a fierce countenance, a ruddy ſanguine complexion, it is evill in the moneth of July (unles extremity force it) to give Phyſicke or let bloud.

The ſixt Signe of the Zodiacke is Virgo, which is a bicorporeal or double bodied Signe; the influence thereof upon the earth worketh cold and drineſſe, hardly temperate, through which vegetables, ſuffer detriment, hearbs and leaves do wither yet the coldneſſe thereof is not altogether exempt from temperature, it's of the earthly triplicity, the houſe of exaltation of Mercury, it is feminine, nocturnall, meridionall, melancholly, right common and dexter. It hath the moneth of Auguſt wherein it is evill to give phyſicke, or let bloud: it ruleth the wombe, bowels, guts, liver, gall, and milte, and the diſeaſes thereof, as the wormes, winde, collicke, paine in the guts and miſerieke veines. It denotes a meane ſtature, ſlender body, but decent, ruddy browne complexion, blacke haire, ſhrill ſmall voice, witty, ingenious, and ſtudious, a rare underſtanding in man or woman.

The ſeventh Signe is Libra or the ballance which is an aireall Signe hot and moiſt, ſanguine, it impreſſeth into the Ayre, heat, and moiſture, cauſing it

it to be hot, thicke, groſſe, mixt and vertible to the individuall kinds of natu e, as ſeeds, herbs, and bows of trees, it is a ſigne of the Ayry triplicity, Maſculine, Diurnall, Equinoctiall, Occidentall, and Autumnall; the cheife houſe of Venus hath the moneth of September, in which it is good to take phyſicke, to purge the body and let bloud, it governeth the reines, loynes, and haunches, and diſeaſes are attributed to it as the ſtone or gravell, in the reynes and kidnyes and bladder, corruption of bloud or ulcers in the reines and kidnyes, impoſtumes, or ulcers there, or in the loynes or haunches and weakneſſe in the backe; it repreſents a body ſtraight, tall, and ſlender, a ſmooth, yellow, long haire, a round face, ſanguine colour, in age ſome pimples in the face or colour very high.

The next in order is Scorpio, the eight Signe in the Zodiacke, it imparteth to the aire coldneſſe and moiſture, exempt from all temperature, bringing rather corruption then generation. It is a Signe of the watry triplicity, feminine, nocturnal, ſeptentrionall, fixed right and flegmaticke, the houſe and joy of Mars It hath the moneth of October, wherein it is good to take Phyſicke, and indifferent to let bloud; it rules the ſecret members and bladder, ſignifies all diſeaſes thereof, as ruptures, the piles, gonorrhea, hemrods, priapiſmes, all afflictions and defects in the yeard, ſtones and matrix. It perſonates a corpulent ſtrong body, broad

face, a hairy body, short neck, commonly subtill and deceitfull men.

The ninth Signe is Sagittarius or the Archer, which is hot and dry, of the fiery triplicity, void of temperature, causing destruction of seeds and hearbs, and hurt to many living Creatures: it is masculine, diurnall, orientall, chollerick, the house and joy of Iupiter, dexter, right, common, and double bodied, ruleth the month of November, wherein it is good to take Physick and let bloud, it governeth of mans body the thighs, and Buttocks, to which are subject all fistulas, bruises, and hurts in those places, denoteth pestilentiall feavors, falls from horses, hurts from fourefooted beasts, prejudice by fire, bloud heated &c. it signifies a handsome welfavored person, long face, full and ruddy sunburnt complexion, the stature indifferent tall, the haire light, chesnut coulor, or browne.

The tenth signe is Capricorne, or the Goat, which is cold and dry, untemperate, moveable, of the earthly triplicity, meridionall, nocturnall, solstitiall, hiemall, and melancholly, feminine, the house of Saturne, and exaltation of Mars, it hath the moneth of December, governeth the knees and casualities incident thereunto, either by dislocations, spraines, or fractures; hotes itch, scabs, and leprose, it signifies a short body, long leane visage, blacke haire, narrow chin, small necke and

narrow

narrow breast.

The eleaventh Signe is called Aquarius, which is hott and moist, of the Aiery triplicity, untemperate, noisome, and hurtfull to all seeds, and things vegetable, masculine, diurnall, occidentall, sinister, fixed, and sanguine the house of Saturne, wherein he rejoyceth, ruleth the moneth of January wherein it is indifferent to take Physicke, and let bloud, & of mans body he governeth the legs, and ankles, and all casualties and instruments incident thereunto, all melancholly windes in the veines and bloud, cramps, gouts and paines in the legs, it representes persons of a thicke, short, strong, body, a long visage, blacke or sandy coloured haire, a sanguine complexion.

The twelfeth and last Signe is Pisces, it is cold and moist of the watery triplicity, declining from temperature, but imparting some comfort to divers things vegetable, feminine, nocturnall, septentrionall, dexter double bodied, common and flegmaticke, the house of Iupiter and exaltation of Venus; hath the moneth of February, wherein it is good to take physicke, to let bloud indifferent. It claimes domination over the feet, and the diseases and maladies incident thereunto, as the gout, cramp, and cornes, signifies cold and moist, diseases, boyls, itches, breakings out, and ulcers proceeding from melancholly and putrefacted bloud, it personates a leacherous idle effeminate person, a short ill favored

body but fleshy, a large face, the body something crooked, and of a pale complexion, the sun entreth into this Sign about the ninth day of February, & dwelleth therein till the tenth of March, at which time she finisheth her winter quarter and the yeare

Of the seven Planets.

THe first and highest of the Planets is Saturne, which is cold and dry, yet sometimes moist upon accident of colour pale and wan, like to lead, he signifies a melancholly dusky and pale complexion, blacke haire, a crooked misshapen body, ruleth all sickenesse proceeding of melancholly humors or cold rumes, as blacke jaundies, quartaine Agues and the like, the magnitude of his body according to Tichobrahe exceedeth the earth two and twenty times, he maketh his period through the Zodiack in thirty yeares.

The next to Saturne is Iupiter, his quallity is hot and moist, temperate, masculine, Ayry, the greater fortune, of colour splendent like gold personates a tall stature, browne sanguine complexion, a long full visage, and strong body, signifies diseases of the liver, heart, and inflammation of the lungs, putrifies paines in the backe, and ribs, feavers, and windinesse, proceeding from corrupted and superfluous

fluous bloud, his bulke by Tycho, exceedeth the earth 14 times, he accompliſheth his courſe through the Zodiacke in twelve yeares.

The next in order ſucceeds Mars, which is a plannet, in nature hot and dry intemperate, fiery and chollericke, the leſſer infortune, of Colour red like bloud, he ſignifies a meane ſtature, yellow haire the body hairy, if oriental otherwiſe ſmooth; and the diſeaſes of the gall, peſtilent burning feavers, plague, burnings, phrenſies, and all diſtempers, proceeding from choller, he is leſſer then the earth according to Tycho thirteen times, finiſheth his courſe in two yeares.

The ſun is placed in the middle of the Planets, he is hot and dry, temperate, maſculine, and diurnall, the Sun ſignifies men ambitious, high minded, a ſtrong large body, yellow complexion, and yellow haire, or reddiſh, much haire on the beard, healthfull of conſtitution of diſeaſes and ſickneſſe, hee ſignifies all infirmities of the braine and heart, pimples in the face, ſore eyes, cankers in the mouth, catars, and ſoonings. The Suns body is greater then the earth according to Tycho one hundred times, he runneth his courſe through the Zodiacke in three hundred ſixty fives dayes, five houres, and forty nine minutes.

Venus is a Plannet cold and moiſt, temperate, the leſſer fortune, of the colour of gold, glittering and bright, feminine and diurnall, ſhee repreſents

perſons

persons of a fair complexion, if orientall somewhat tall stature, a straight handsome body, browne haire, a roling eye and blackish, one loving neatnesse, full of mirth and amorous, of diseases shee signifies the french pox, gonorrhea, all infirmities of the matrix, and generative members, in the raines backe and wombe, she is lesse then the earth according to Tycho six times, and finisheth her course in a yeare.

Mercury is a Plannet, mutable and wavering, whose quallity for the most part, is in drying, and equally moistning, for hee dryeth when he applyes to Mars or Sol, and moistneth applying to Venus or Luna, and for that cause is said to be of a changable uncertaine nature, good with the good, and ill with the ill, masculine with the masculine, and feminine with the feminine, of Colour like silver, glistring but not bright, if he be well placed hee signifies a sharpe pregnant wit, a subtill quicke apprehension, an eloquent orator, a great lover of learning, and liberall sciences if he be ill dignified he represents a great lyar, a busie prating boaster, a false tale carrier, a personage he signifies of a tall straight body, leane, and spare, sad browne haire; a browne or honey colour complexion, he signifies all diseases of the head and braine, vertigoes, giddinesse in the head, imperfections in the speech memory and understanding hee is lesse then the earth as saith Tycho nineteene times, he endeth his revolution in a yeare.

The

The Moone is the last and lowest of all the Planets; she is cold and moist, moisture being predominant, and bearing the greatest power: yet sometimes she is said to heat: she usually represents a man of a middle stature, white and flegmatick complexion, a fleshy body; signifies diseases of the belly, as Fluxes, and Chollick, of the bladder and generative members, all diseases proceeding of cold Rhume, Sciatica's, Gout in the Feet, and palseys; she is lesser then the Earth 47 times, she dispatcheth her Course in a month.

Saturn ruleth of the week daies Saturday, from whence the day is so called; he ruleth the first hour of the day, and the eighth; The Sun the first and eighth hours of Sunday; the Moone the first and eighth houres of Monday; *Mars* Tuesday the first and eighth hours of that day; *Mercury* the first and eight houres of Wednesday; *Jupiter* ruleth Thursday the first and eighth hours thereof; and *Venus* hath dominion of the first and eighth hours of Friday.

Of Urine.

IF a mans urine be white at morning, and red before meat, and white after meat, he is in health; if it be very thick and fat, it signifies paine in the head.

Urine that is fat, white, and moist, betokeneth the Feaver quartaine.

Urine that is bloudy and fleshy, denotes some hurt and rotten Ulcer in the bladder and reines, who pisseth bloud without sicknesse, hath some veine broken in his Reines.

Womens urine that is cleere and shining, if she cast off, and have no desire to meat, it signifies she is with child.

Womens Urine that is strong, white, and stinking, signifies infirmities in the reines, in her secret Receipts, in her Chambers full of evil humours, and consequently sicknesse of her whole body.

Womens Urine that is bloudy and cleere as water under, signifies head-ach.

Womans Urine of the colour of Lead (if she be with child,) demonstrates the child to be dead within her.

Urine one part red, another blacke, another green, another blew, betokeneth death.

Urine that is black and little in quantity betokeneth death.

Urine of the colour of Lead, that shineth raw, and bright, if the skin in the bottome shine not in the bottome, it signifies death.

Urine of the colour of water, having a darke skie, it betokens death.

Urine that hath dregs in the bottome mingled with bloud signifies death.

Urine black and thick, if the sick loath when he goeth

goeth to the ſtoole, it ſignifies death.

Theſe are the moſt certain and generall Judgements of Urine; many more there are, but I omit them as the moſt falacious ſtudy that appertaines to Phyſick; and if men truſt to the urine, it will moſt uſually deceive the learnedſt Doctor that is: I knew a Gentleman that was taken with a violent Feaver, he continued three daies, the diſeaſe increaſing, the patient weakening; the third day a Doctor ſaw his water (who I forbeare to name, becauſe he is ſince dead,) his Judgement was that the patient was in perfect health, and had no diſtemper on him; but that morning the ſmall Pox began to appeare on his body, and he had them as full, and as tedious a diſeaſe of it as any man ever had: another Doctor gave the ſame Judgement on a ſick perſons water, who died within halfe an houre following.

Of Bathes

BAthes are naturall and Artificiall, the naturall Baths of England are thoſe of the City of Bath in Somerſetſhire, in the Weſt Countrey: The chiefeſt matter, ſtrength, and vertue of theſe Baths is Brimſtone, and the chiefe ruler in them; theſe Baths of brimſtone do ſoften the ſinnews, and do heat; they are therefore good for the Palſey, for all ſuch place, or joynts that are pulled in too much,

much, or extended too far forth, they asswage the desire of often going to the stoole, and doing little or nothing; they scowre and cleanse the skin, are good for the white Morphew and black, for Leprosie, and for all scabs, and scurfs, for old sores, for the falling of humors into the joynts, for shaking or trembling of any member, they asswage ache, or the swelling of any member, they are good for the gout, in the hands or feet, for the sciatica, they asswage all pains of the liver and milt, and asswage the hardnesse thereof, they scowre away freckles, and cure all kind of itches: Therefore whosoever is afflicted with any of these diseases, may (by Gods help) be perfectly cured; but it is necessary they observe these Rules following.

The Counsell of the learned Physitians is, that they should not at any time goe into any Bath to seek remedy for any sickenesse, unlesse it be such that almost the Physitians dispaire of the healing of it, then let no man enter into any Bath, unlesse his body be first very well purged, cleansed, and prepared, for he that entreth into the Bath with his body unpurged, may perhaps never returne home againe, or if he doe, he most commonly carryeth away worse diseases then he brought to the Bath with him. Neither may you enter into the Bath the same day that ye come thither, but rest and ease your body a day or two,

For

For the time of the yeare for Bathing, the moſt fit and proper ſeaſons, are the moneth of May and September, but the ſpring is the beſt, and likewiſe for to take any manner of phyſicke, the beſt time of the morning, after the Sun be an houre high at leaſt; and before any patient goe into the Bath, if his diſeaſe will ſuffer him, let him walke an houre or at the leaſt halfe an houre, before he enter into the Bath.

But you muſt at no time enter into the Bath, except you have beene at ſtoole either by nature or art; ye may take a ſuppoſitory or gliſter, and in great neceſſity pills, but he that is ſo purged muſt not enter into the Bath, for the ſpace of fourteene houres afterwards.

If any be counſelled to goe into the Bath twice on a day, he muſt not enter into it, till ſix or ſeven houres after dinner, and tarry not, ſo long in the Bath in the afternoone as you did in the morninge the common time of tarrying in the Bath, is moſt commonly allowed to be an hower or more or leſſe, wherein reſpect muſt be had to the ſtrength and nature of the Bath, as alſo to the complexion, diſeaſe and ſtrength of the patient.

Let no man continew ſo long in the Bath untill he faint, but let him come out before that, if he ſuſpect any ſuch weakneſſe.

Ye muſt alwayes goe into the Bath, with an empty ſtomach, and as long as you are in it, and

as long as you continew in it you must neither eat nor drinke unles great necessity require it, so that you loone in the Bath, or be in danger of looning: as saith Gallen, fourteen *de methodo medendi*, that no man should eate nor drinke untill he hath slept after Bathing.

When you come out of the Bath, cover your selfe well that you take no cold, and dry off the water from your body, with warme cloths, and go presently into a warme bed, and sweat there if you can: wipe off the sweate diligently, and afterwards sleepe, but ye must not drinke any thing untill dinner time, unles ye be very faint.

And after that ye have sweat, and slept, and be sufficiently delivered, and cleared from the heat, that you had in the Bath, and afterwards in the bed, then may you walke a little before you go to dinner, for by measurable and moderate walking, the vapors and windeness that is contracted in the Bath is driven away.

If the patient cannot walke, then let his body be gently rubbed, if his disease can suffer it, after this ye may goe to dinner, wherein you may use moderation in your diet, allwayes arising from the table with an apperite; beware especially that you drinke not any cold drinke, and abstaine from all things that are cold, when ye first begin to eate, or drink, but let your meat and drink be temperately warm, least when your body is inwardly hot with

Bathing

Bathing and sweating, the cold strike suddenly into some principall member, and hurt it.

They that are of a hot complexion and open body, ought not to tarry so long in the Bathe as they that are of a colder and faster complexion.

It is most requisite for such patients as have any disease in the head, as Catharr or Rheume, Palsies, or such like diseases, that the water be powred strongly upon the mould of the head, and upon the nape of the necke.

The clay or grounds of the Bathe is good for the dropsy, and likewise for shrunken, swelled, and hard places; which cannot be wel healed with other medicines: the manner of using it is, to lay the grounds upon the place and hold the same against the fire, untill it be somewhat harde, and then to wash it away with the water of the Bath: likewise, those that cannot tarry long at the Bath, may carry some of the water, and grounds home with them, and use it there in the like manner.

If you be rid of your disease, by the Bathing, give God the Glory, goe thy way, sin no more, least a worse thing come unto thee: but if you bee not healed the first time, patiently waite upon God by prayer, and holy life, untill the next opportunity of using the meanes, and then if it conduce to Gods glory, and thy good, thou shalt assuredly bee healed, by the Grace of God, of whom commeth all health of soule and body.

But some, and two many, if the medicine or direction of the physition doe not forthwith answer their expectation, will most impatient, and wickedly, exclaime against and abuse the Physitian, and the medicine both, as if they were to appoint God a time when they shall be healed, and limit the holy one of Israell; but *nolens volens*, they must stay the Lords leisure; and let such as have beene at the Bath, observe the same diet they did when they were there, for the space of a moneth, at least, abstayning from Carnall use of women, and if God please they shall have their desire; for, *Io solus est qui dat salutem &c.* To him give the praise, to whom be ascribed, all Praise and Glory, for evermore, *in secula seculorum.* Amen.

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FINIS.

MVSEVM BRITANNICVM